

# Starlab product guide.



**WATCH VIDEO**

Passionate for Science.  
Starlab inspires and  
supports the passion  
driving your research.

PROPERTY OF STARLAB (UK) LTD. V5.0

Passionate for science.





# Contents.

## Pipette Tips..... 03–16

- TipOne® Pipette Tip System
- Speciality Tips • Dispenser Tips

## Robotic Tips ..... 03–22

- Beckman Coulter® • Packard® • Tecan® • Qiagen®
- Robotic Reservoirs

## Pipettes..... 23–30

- Manual Pipettes • Electronic Pipettes • Pipette Controllers • Pipette Stands
- Polystyrene Pipettes • Repeat Dispenser

## Calibration Services..... 31–44

- Pipette Servicing • Pipette Training Sessions • Timer / Stopwatch Calibration
- Temperature Devices Calibration • Balance Calibration

## Consumables ..... 45–74

- Tubes • Plates • Plate Sealing • Reagent Reservoirs • Loops & Spreaders • Pasteur Pipettes
- Parafilm® • Cuvettes • Spatulas & Weighboats • Labelling

## Consumables for PCR/qPCR ..... 75–88

- PCR/qPCR Tubes • PCR/qPCR Strips • Rotorgene-Style Strips & Discs
- PCR/qPCR Plates • PCR/qPCR Plate Seals & Foils

## Cell Culture ..... 89–89

- Cell Culture Dishes • Cell Culture Plates • Cell Culture Flasks • Erlenmeyer Flasks
- Cell Scrapers • Centrifuge Tubes • Cell Strainers • Syringe Filters • Bottle Top Filtration

## Sample Storage ..... 99–118

- Storage Boxes & Racks • Benchtop Coolers
- Freezer Racking • Slide Storage

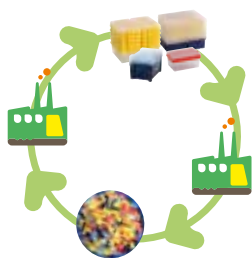
## Equipment..... 119–132

- PCR Cabinets • Vortex Mixer • Centrifuges • Thermomixer • Aspirator • Shakers
- Mixers • Stirrers • Freezer • Lab Timer • Dry Bath Accessories

## Protection ..... 133–149

- Disposable Gloves • Laboratory Disinfectant
- Benchtop Safety • Safe Disposal

## What's new?



### **NEW!** TipOne® is closing the recycling loop!

In January 2025, the start of moving the manufacturing of TipOne® products from USA to Germany began. This move also signalled the start of reusing the plastic collected from the TipOne® recycling service in the base of all new TipOne® racks made in Germany, which means we have closed the recycling loop!

[See page 10](#)



### **NEW!** RepeatOne® S Repeat Dispenser

For fast, repetitive dispensing of volumes between 2.0 µl and 5.0 ml with maximum precision and accuracy. The user-friendly operation and sturdy design makes RepeatOne® S the first choice when handling challenging liquids. Starlab's RepeatOne® S provides high precision dispensing of liquids with high viscosity, high density or high vapor pressure.

[See page 30](#)



### **NEW!** Rigid Frame PCR Plates

Optimised for precision and reliability, the durable polycarbonate frame provides a stable, flat surface, which can withstand the firm grip of robotic arms, ensuring precise placement and eliminating any risk of misalignment. The wells are made from ultra-thin polypropylene to deliver exceptional thermal transfer for high reaction efficiency.

[See page 80](#)



### **NEW!** Cardboard Storage Boxes

Brighten up your lab with this range of cardboard storage boxes in 49-, 81- and 100-place options. The moisture-resistant coating makes these boxes a durable yet economical storage solution. Made in Germany from 100% recycled cardboard, in a factory powered by renewable energy, the boxes are supplied pre-assembled and can be recycled at the end of their life.

[See page 100](#)



### **NEW!** Plate Centrifuge

The Plate Centrifuge is designed for rapid and effortless centrifugation of samples in PCR Plates. Use before and after thermal cycling to enhance your yield. The Plate Centrifuge holds two plates and is compatible with all 96- and 384-well plates up to 25 mm high. Spins in two modes; press and hold to run on short mode, or use hands-free in timer mode for longer spins.

[See page 131](#)

# Pipette tips.



## **TIPONE® PIPETTE TIPS**

|                                             |    |
|---------------------------------------------|----|
| TipOne® Pipette Tip System .....            | 04 |
| TipOne® Pipette Tips .....                  | 06 |
| TipOne® Filter Tips .....                   | 08 |
| TipOne® Closed-Loop Recycling Service ..... | 10 |

## **SPECIALITY TIPS**

|                                 |    |
|---------------------------------|----|
| Extended Length Tips .....      | 11 |
| 384-Format Tips .....           | 11 |
| Individually-Wrapped Tips ..... | 11 |
| Large Volume Tips .....         | 12 |
| Gel Extraction Tool .....       | 13 |
| Gel-Loading Tips .....          | 14 |
| Wide Orifice Tips .....         | 15 |

## **DISPENSER TIPS**

|                                     |    |
|-------------------------------------|----|
| TipOne® Repeat Dispenser Tips ..... | 16 |
|-------------------------------------|----|

# The TipOne® Pipette Tip System.

## The perfect rack.

### THE PERFECT PIPETTE TIP SYSTEM STARTS WITH THE PERFECT RACK



#### KEY BENEFITS

- ✓ Excellent stability & durability
- ✓ Lid opens at optimised angle for unrestricted access
- ✓ Tip info printed on every wafer
- ✓ Reuse with the refills
- ✓ Stackable
- ✓ Autoclavable
- ✓ Rack base made with 25 % recycled plastic<sup>1)</sup>
- ✓ Fully recyclable<sup>2)</sup>



Tip options: Non-sterile tips. Sterile tips. Sterile filter tips.



From January 2025, the base and lid of TipOne® racks produced in Germany are made entirely with recycled plastic. The recycle used for the base includes 75 % post consumer recycle collected by our customers using our TipOne® recycling service. See page 10 for more info.



Products showing this symbol include system components made with recycled plastic.

## The clever refill.

### THE QUICK AND EASY WAY TO OBTAIN ECONOMICAL RACKED TIPS



#### KEY BENEFITS

- ✓ Space saving
- ✓ Quick and easy to load
- ✓ Autoclavable, once racked
- ✓ Tip info printed on every wafer
- ✓ Clear, plastic system components made from 100% recycled plastic<sup>3)</sup>
- ✓ Fully recyclable<sup>1)</sup>



Tip options: Non-sterile tips.

<sup>1)</sup> All racks manufactured in USA, July 2024 and after.

<sup>2)</sup> All polypropylene components (excl. tips) are fully recyclable. Shrink wrap made from recyclable LDPE.

<sup>3)</sup> The clear polypropylene top and bottom shells and spacers are made from 100 % recycled plastic from another source.



# The TipOne® Pipette Tip System.

## The fully-enclosed sterile refill.

### THE ECONOMICAL, PLASTIC-SAVING ALTERNATIVE TO STERILE RACKED TIPS

[WATCH VIDEO](#)

#### KEY BENEFITS

- ✓ Economical
- ✓ Quick and easy to load
- ✓ Tip sterility is never compromised
- ✓ Saves up to 63% plastic compared to racked equivalent
- ✓ Space saving! up to 20% less space compared to racked equivalent
- ✓ Clear, plastic system components made from 100% recycled plastic<sup>3)</sup>
- ✓ Fully recyclable<sup>1)</sup>

Tip options: Sterile tips. Sterile filter tips.



## The stack rack.

### 960 TIPS IN ONE CONVENIENT AND COMPACT UNIT



#### KEY BENEFITS

- ✓ Ideal for high throughput multi-channel use
- ✓ Stable design
- ✓ Autoclavable
- ✓ Fully recyclable<sup>1)</sup>

Tip options: Non-sterile tips. Sterile tips.

[WATCH VIDEO](#)

## The bag.

### IDEAL FOR TEACHING LABS OR NON-CRITICAL WORK



#### KEY BENEFITS

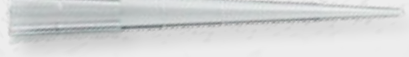
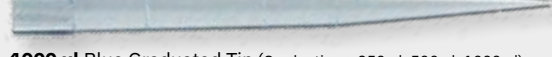
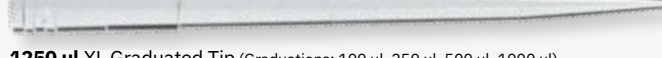
- ✓ Economical
- ✓ Resealable

Tip options: Non-sterile tips.

<sup>1)</sup> All polypropylene components (excl. tips) are fully recyclable. Shrink wrap made from recyclable LDPE.  
<sup>3)</sup> The clear polypropylene top and bottom shells are made from 100 % recycled plastic from another source.

# TipOne® Pipette Tips.



|                                                                                     | Loose                                   | Racked                                | Racked Sterile                        |
|-------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------|---------------------------------------|
|                                                                                     | 1000 / Bag                              | 96-Tip Racks                          | 96-Tip Sterile Racks                  |
|    | <b>S1111-3000</b><br>(1000 Tips)        | <b>S1111-3800</b><br>(960 Tips)       | <b>S1111-3810</b><br>(960 Tips)       |
| <b>10 µl Graduated Tip</b> (Graduations: 2,5 µl, 10 µl)                             | <b>S1111-3000-C</b><br>(50 x 1000 Tips) | <b>S1111-3800-C</b><br>(8 x 960 Tips) | <b>S1111-3810-C</b><br>(8 x 960 Tips) |
|    | <b>S1110-3000</b><br>(1000 Tips)        | <b>S1110-3800</b><br>(960 Tips)       | <b>S1110-3810</b><br>(960 Tips)       |
| <b>10/20 µl XL Graduated Tip</b> (Graduations: 1 µl, 5 µl, 10 µl, 20 µl)            | <b>S1110-3000-C</b><br>(50 x 1000 Tips) | <b>S1110-3800-C</b><br>(8 x 960 Tips) | <b>S1110-3810-C</b><br>(8 x 960 Tips) |
|    | <b>S1111-0000</b><br>(1000 Tips)        | <b>S1111-0800</b><br>(960 Tips)       | <b>S1111-0810</b><br>(960 Tips)       |
| <b>200 µl Tip</b>                                                                   | <b>S1111-0000-C</b><br>(25 x 1000 Tips) | <b>S1111-0800-C</b><br>(8 x 960 Tips) | <b>S1111-0810-C</b><br>(8 x 960 Tips) |
|    | <b>S1111-0006</b><br>(1000 Tips)        | <b>S1111-0806</b><br>(960 Tips)       | <b>S1111-0816</b><br>(960 Tips)       |
| <b>200 µl Yellow Tip</b>                                                            | <b>S1111-0006-C</b><br>(25 x 1000 Tips) | <b>S1111-0806-C</b><br>(8 x 960 Tips) | <b>S1111-0816-C</b><br>(8 x 960 Tips) |
|   | <b>S1111-1000</b><br>(1000 Tips)        | <b>S1111-1800</b><br>(960 Tips)       | <b>S1111-1810</b><br>(960 Tips)       |
| <b>200 µl Bevelled Tip</b>                                                          | <b>S1111-1000-C</b><br>(25 x 1000 Tips) | <b>S1111-1800-C</b><br>(8 x 960 Tips) | <b>S1111-1810-C</b><br>(8 x 960 Tips) |
|  | <b>S1111-1006</b><br>(1000 Tips)        | <b>S1111-1806</b><br>(960 Tips)       | <b>S1111-1816</b><br>(960 Tips)       |
| <b>200 µl Yellow, Bevelled Tip</b>                                                  | <b>S1111-1006-C</b><br>(25 x 1000 Tips) | <b>S1111-1806-C</b><br>(8 x 960 Tips) | <b>S1111-1816-C</b><br>(8 x 960 Tips) |
|  | <b>S1113-1000</b><br>(1000 Tips)        | <b>S1113-1800</b><br>(960 Tips)       | <b>S1113-1810</b><br>(960 Tips)       |
| <b>200 µl UltraPoint Graduated Tip</b> (Graduations: 10 µl, 50 µl, 100 µl)          | <b>S1113-1000-C</b><br>(25 x 1000 Tips) | <b>S1113-1800-C</b><br>(8 x 960 Tips) | <b>S1113-1810-C</b><br>(8 x 960 Tips) |
|  | <b>S1113-1006</b><br>(1000 Tips)        | <b>S1113-1806</b><br>(960 Tips)       | <b>S1113-1816</b><br>(960 Tips)       |
| <b>200 µl UltraPoint Yellow Graduated Tip</b> (Graduations: 10 µl, 50 µl, 100 µl)   | <b>S1113-1006-C</b><br>(25 x 1000 Tips) | <b>S1113-1806-C</b><br>(8 x 960 Tips) | <b>S1113-1816-C</b><br>(8 x 960 Tips) |
|  | <b>S1110-9000</b><br>(1000 Tips)        | <b>S1110-9800</b><br>(960 Tips)       | <b>S1110-9810</b><br>(960 Tips)       |
| <b>300 µl Graduated Tip</b> (Graduations: 100 µl, 200 µl, 300 µl)                   | <b>S1110-9000-C</b><br>(25 x 1000 Tips) | <b>S1110-9800-C</b><br>(8 x 960 Tips) | <b>S1110-9810-C</b><br>(8 x 960 Tips) |
|  | <b>S1111-6000</b><br>(1000 Tips)        | <b>S1111-6800</b><br>(960 Tips)       | <b>S1111-6810</b><br>(960 Tips)       |
| <b>1000 µl Graduated Tip</b> (Graduations: 250 µl, 500 µl, 1000 µl)                 | <b>S1111-6000-C</b><br>(20 x 1000 Tips) | <b>S1111-6800-C</b><br>(4 x 960 Tips) | <b>S1111-6810-C</b><br>(4 x 960 Tips) |
|  | <b>S1111-6001</b><br>(1000 Tips)        | <b>S1111-6801</b><br>(960 Tips)       | <b>S1111-6811</b><br>(960 Tips)       |
| <b>1000 µl Blue Graduated Tip</b> (Graduations: 250 µl, 500 µl, 1000 µl)            | <b>S1111-6001-C</b><br>(20 x 1000 Tips) | <b>S1111-6801-C</b><br>(4 x 960 Tips) | <b>S1111-6811-C</b><br>(4 x 960 Tips) |
|  | <b>S1112-1020</b><br>(1000 Tips)        | <b>S1112-1820</b><br>(960 Tips)       | <b>S1112-1830</b><br>(960 Tips)       |
| <b>1250 µl XL Graduated Tip</b> (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)      | <b>S1112-1020-C</b><br>(16 x 1000 Tips) | <b>S1112-1820-C</b><br>(4 x 960 Tips) | <b>S1112-1830-C</b><br>(4 x 960 Tips) |

**NOTES:** All tips shown actual size · "n/a" = not available.



Products showing this symbol include system components made with recycled plastic. See pages 4 & 5 for more info.

| Refill                                 | Sterile Refill                        | Stack Rack                             | Sterile Stack Rack                     | Colour Coding |
|----------------------------------------|---------------------------------------|----------------------------------------|----------------------------------------|---------------|
| 96-Tip Refills                         | 96-Tip Sterile Refills                | 960-Tip Stack                          | 960-Tip Sterile Stack                  |               |
| <b>S1111-3700</b><br>(960 Tips)        | n/a                                   | <b>S1111-3200</b><br>(960 Tips)        | <b>S1111-3210</b><br>(960 Tips)        | ●             |
| <b>S1111-3700-C</b><br>(10 x 960 Tips) | n/a                                   | <b>S1111-3200-C</b><br>(10 x 960 Tips) | <b>S1111-3210-C</b><br>(10 x 960 Tips) |               |
| <b>S1110-3700</b><br>(960 Tips)        | <b>S1110-3710</b><br>(960 Tips)       | n/a                                    | n/a                                    | ●             |
| <b>S1110-3700-C</b><br>(10 x 960 Tips) | <b>S1110-3710-C</b><br>(8 x 960 Tips) | n/a                                    | n/a                                    |               |
| <b>S1111-0700</b><br>(960 Tips)        | n/a                                   | <b>S1111-0200</b><br>(960 Tips)        | <b>S1111-0210</b><br>(960 Tips)        | ●             |
| <b>S1111-0700-C</b><br>(10 x 960 Tips) | n/a                                   | <b>S1111-0200-C</b><br>(10 x 960 Tips) | <b>S1111-0210-C</b><br>(10 x 960 Tips) |               |
| <b>S1111-0706</b><br>(960 Tips)        | n/a                                   | <b>S1111-0206</b><br>(960 Tips)        | n/a                                    | ●             |
| <b>S1111-0706-C</b><br>(10 x 960 Tips) | n/a                                   | <b>S1111-0206-C</b><br>(10 x 960 Tips) | n/a                                    |               |
| <b>S1111-1700</b><br>(960 Tips)        | <b>S1111-1710</b><br>(960 Tips)       | <b>S1111-1200</b><br>(960 Tips)        | <b>S1111-1210</b><br>(960 Tips)        | ●             |
| <b>S1111-1700-C</b><br>(10 x 960 Tips) | <b>S1111-1710-C</b><br>(8 x 960 Tips) | <b>S1111-1200-C</b><br>(10 x 960 Tips) | <b>S1111-1210-C</b><br>(10 x 960 Tips) |               |
| <b>S1111-1706</b><br>(960 Tips)        | <b>S1111-1716</b><br>(960 Tips)       | <b>S1111-1206</b><br>(960 Tips)        | n/a                                    | ●             |
| <b>S1111-1706-C</b><br>(10 x 960 Tips) | <b>S1111-1716-C</b><br>(8 x 960 Tips) | <b>S1111-1206-C</b><br>(10 x 960 Tips) | n/a                                    |               |
| <b>S1113-1700</b><br>(960 Tips)        | <b>S1113-1710</b><br>(960 Tips)       | <b>S1113-1200</b><br>(960 Tips)        | n/a                                    | ●             |
| <b>S1113-1700-C</b><br>(10 x 960 Tips) | <b>S1113-1710-C</b><br>(8 x 960 Tips) | <b>S1113-1200-C</b><br>(10 x 960 Tips) | n/a                                    |               |
| <b>S1113-1706</b><br>(960 Tips)        | <b>S1113-1716</b><br>(960 Tips)       | <b>S1113-1206</b><br>(960 Tips)        | <b>S1113-1216</b><br>(960 Tips)        | ●             |
| <b>S1113-1706-C</b><br>(10 x 960 Tips) | <b>S1113-1716-C</b><br>(8 x 960 Tips) | <b>S1113-1206-C</b><br>(10 x 960 Tips) | <b>S1113-1216-C</b><br>(10 x 960 Tips) |               |
| <b>S1110-9700</b><br>(960 Tips)        | <b>S1110-9710</b><br>(960 Tips)       | n/a                                    | n/a                                    | ●             |
| <b>S1110-9700-C</b><br>(10 x 960 Tips) | <b>S1110-9710-C</b><br>(8 x 960 Tips) | n/a                                    | n/a                                    |               |
| <b>S1111-6700</b><br>(960 Tips)        | n/a                                   | n/a                                    | n/a                                    | ●             |
| <b>S1111-6700-C</b><br>(10 x 960 Tips) | n/a                                   | n/a                                    | n/a                                    |               |
| <b>S1111-6701</b><br>(960 Tips)        | n/a                                   | n/a                                    | n/a                                    | ●             |
| <b>S1111-6701-C</b><br>(10 x 960 Tips) | n/a                                   | n/a                                    | n/a                                    |               |
| <b>S1112-1720</b><br>(960 Tips)        | <b>S1112-1730</b><br>(960 Tips)       | n/a                                    | n/a                                    | ●             |
| <b>S1112-1720-C</b><br>(10 x 960 Tips) | <b>S1112-1730-C</b><br>(8 x 960 Tips) | n/a                                    | n/a                                    |               |

Empty racks for use with the refills are available for FREE!  
 S0000-1002: Small racks for use with all refills 10 µl to 300 µl  
 S9999-1002: Large racks for use with 1000 µl & 1250 µl refills

## MORE INFO

[www.starlab.click/tipone](http://www.starlab.click/tipone)

# TipOne® Filter Tips.



## Nothing goes through!

Protect your samples against unwanted contamination with TipOne® filter tips. When pipetting, it's not possible to see by eye if fine aerosols are going into your pipette which can go on to contaminate other samples at a later date.

The TipOne® filter protects against aerosol cross-contamination without trapping your valuable samples. The filters in TipOne® filter tips are one of the best filters available on the market. They are proven\* to block >99 % of aerosols.

## Filter Tip features

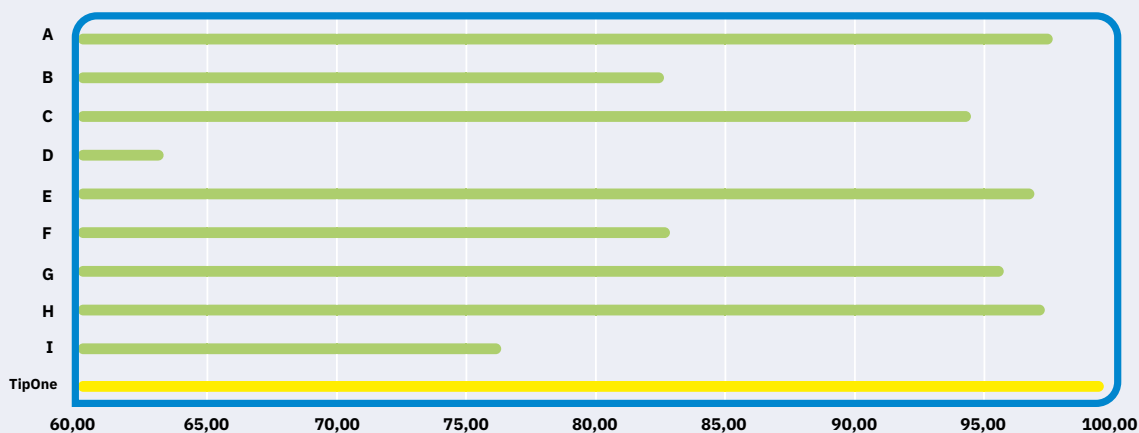
- Highly effective HDPE filter
- Filter contains no additives to interfere with your samples
- The filter will not absorb samples, allowing recovery if necessary
- Sterile, and RNase, DNase, DNA and Pyrogen free



Products showing this symbol include system components made with recycled material. See pages 4 & 5 for more info.

## Blocking of Particles (diam. approx. 100 nm) [%]

TipOne® filter tips compared to other manufacturers' filter tips\*



\*The comparative tests were conducted by an independent test institute with filter tips from other leading manufacturers.

# TipOne® Sterile Filter Tips.



TipOne®

|                                                                                            | Racked                                | Sterile Refill                        | Colour Coding |
|--------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|---------------|
|                                                                                            | 96-Tip Sterile Racks                  | 96-Tip Sterile Refills                |               |
|                                                                                            | <b>S1121-3810</b><br>(960 Tips)       | <b>S1121-2710</b><br>(960 Tips)       | ●             |
| <b>10µl Graduated Filter Tip (Sterile)</b> (Graduations: 2.5µl, 10µl)                      | <b>S1121-3810-C</b><br>(8 x 960 Tips) | <b>S1121-2710-C</b><br>(8 x 960 Tips) |               |
|                                                                                            | <b>S1120-3810</b><br>(960 Tips)       | <b>S1120-3710</b><br>(960 Tips)       | ●             |
| <b>10/20µl XL Graduated Filter Tip (Sterile)</b> (Graduations: 1µl, 5µl, 10µl, 20µl)       | <b>S1120-3810-C</b><br>(8 x 960 Tips) | <b>S1120-3710-C</b><br>(8 x 960 Tips) |               |
|                                                                                            | <b>S1120-1810</b><br>(960 Tips)       | <b>S1120-1710</b><br>(960 Tips)       | ●             |
| <b>20µl Bevelled Filter Tip (Sterile)</b>                                                  | <b>S1120-1810-C</b><br>(8 x 960 Tips) | <b>S1120-1710-C</b><br>(8 x 960 Tips) |               |
|                                                                                            | <b>S1123-1810</b><br>(960 Tips)       | <b>S1123-1710</b><br>(960 Tips)       | ●             |
| <b>20µl UltraPoint Graduated Filter Tip (Sterile)</b> (Graduation: 10µl)                   | <b>S1123-1810-C</b><br>(8 x 960 Tips) | <b>S1123-1710-C</b><br>(8 x 960 Tips) |               |
|                                                                                            | <b>S1120-2810</b><br>(960 Tips)       | <b>S1120-2710</b><br>(960 Tips)       | ●             |
| <b>50µl Bevelled Filter Tip (Sterile)</b>                                                  | <b>S1120-2810-C</b><br>(8 x 960 Tips) | <b>S1120-2710-C</b><br>(8 x 960 Tips) |               |
|                                                                                            | <b>S1120-1840</b><br>(960 Tips)       | <b>S1120-1740</b><br>(960 Tips)       | ●             |
| <b>100µl Bevelled Filter Tip (Sterile)</b>                                                 | <b>S1120-1840-C</b><br>(8 x 960 Tips) | <b>S1120-1740-C</b><br>(8 x 960 Tips) |               |
|                                                                                            | <b>S1123-1840</b><br>(960 Tips)       | <b>S1123-1740</b><br>(960 Tips)       | ●             |
| <b>100µl UltraPoint Graduated Filter Tip (Sterile)</b> (Graduations: 10µl, 50µl, 100µl)    | <b>S1123-1840-C</b><br>(8 x 960 Tips) | <b>S1123-1740-C</b><br>(8 x 960 Tips) |               |
|                                                                                            | <b>S1120-8810</b><br>(960 Tips)       | <b>S1120-8710</b><br>(960 Tips)       | ●             |
| <b>200µl Graduated Filter Tip (Sterile)</b> (Graduations: 50µl, 100µl, 200µl)              | <b>S1120-8810-C</b><br>(8 x 960 Tips) | <b>S1120-8710-C</b><br>(8 x 960 Tips) |               |
|                                                                                            | <b>S1123-8810</b><br>(960 Tips)       | <b>S1123-8710</b><br>(960 Tips)       | ●             |
| <b>200µl UltraPoint Graduated Filter Tip (Sterile)</b> (Graduations: 50µl, 100µl, 200µl)   | <b>S1123-8810-C</b><br>(8 x 960 Tips) | <b>S1123-8710-C</b><br>(8 x 960 Tips) |               |
|                                                                                            | <b>S1120-9810</b><br>(960 Tips)       | <b>S1120-9710</b><br>(960 Tips)       | ●             |
| <b>300µl Graduated Filter Tip (Sterile)</b> (Graduations: 100µl, 200µl, 300µl)             | <b>S1120-9810-C</b><br>(8 x 960 Tips) | <b>S1120-9710-C</b><br>(8 x 960 Tips) |               |
|                                                                                            | <b>S1126-7810</b><br>(960 Tips)       | <b>S1126-7710</b><br>(960 Tips)       | ●             |
| <b>1000µl Filter Tip (Sterile)</b>                                                         | <b>S1126-7810-C</b><br>(4 x 960 Tips) | <b>S1126-7710-C</b><br>(4 x 960 Tips) |               |
|                                                                                            | <b>S1122-1830</b><br>(960 Tips)       | <b>S1122-1730</b><br>(960 Tips)       | ●             |
| <b>1000µl XL Graduated Filter Tip (Sterile)</b> (Graduations: 100µl, 250µl, 500µl, 1000µl) | <b>S1122-1830-C</b><br>(4 x 960 Tips) | <b>S1122-1730-C</b><br>(4 x 960 Tips) |               |

NOTES: All tips shown actual size.

**Empty racks for use with the refills are available for FREE!**  
S0000-1002: Small racks for use with all refills 10µl to 300µl  
S9999-1002: Large racks for use with 1000µl & 1250µl refills

**MORE INFO**

[www.starlab.click/tipone](http://www.starlab.click/tipone)

# The TipOne® Closed-Loop Recycling Service.

## TRANSFORMING WASTE INTO RESOURCES

Starlab offers a unique, closed-loop recycling service for laboratories. Our customers collect their TipOne® polypropylene and we convert it into high quality recyclate. As of early 2025, this post-consumer recyclate is being used at our German production site in the manufacture of new TipOne® racks. This means we have closed the material loop!

### What is a closed-loop recycling system?

A closed-loop is a sustainable recycling system where TipOne® plastic is recycled, and that recycled material is then reused to make more TipOne® products. One of the benefits of a closed-loop system is that it keeps the polypropylene within the same production cycle for as long as possible, thus creating a sustainable cycle of material for use— a circular economy that over time increasingly lowers the need for virgin material.

### Join the movement to close the loop!

By enrolling in the TipOne® Recycling Service you actively support Starlab's mission to close the material loop. We celebrate this milestone alongside our dedicated customers who diligently collect and return their TipOne® plastic, thus driving the sustainable pipetting revolution.

### WHAT CAN BE RECYCLED?

All polypropylene (PP) TipOne® system components: racks, coloured tip wafers, clear top and bottom shells and spacers of the refills, and all parts of the Stack Rack can be recycled. Please note that tips and shrink wrap, and any tip racks from our speciality tip range (pages 11–15) or other manufacturers, are not accepted for recycling via this service.

**TipOne® PP components ONLY please!**



WATCH VIDEO

Watch our video  
to see what happens  
to your recycling



Collect your TipOne® polypropylene (PP) system components for recycling in a box, and arrange a collection



Your recycling is taken to our recycling partner REMONDIS in Germany



Where the plastic is shredded before being processed further into granulate for reuse, and then sent to our TipOne® manufacturing site in Germany



where it is currently being used in the base of TipOne® racks.



The lid and base of TipOne® racks produced in Germany are made entirely with recycled plastic. The recycled plastic used for the rack base includes ~75 % post consumer TipOne® recyclate that was collected by our customers using our recycling service.

## THE STARLAB RECYCLING COLLECTION SERVICE

This service is free of charge for all Starlab UK TipOne® customers located in mainland England, Wales or Scotland. The recycling service is currently unavailable in Northern Ireland (sorry!).

We have made the service convenient and easy to use: you organise the regularity of collections to suit your needs.

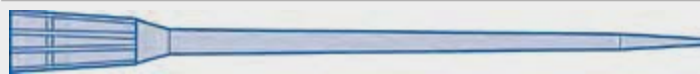
For more information and to sign up, go to [starlab.click/recycling-UK](https://starlab.click/recycling-UK)



## Extended Length Tips.

### Ordering information

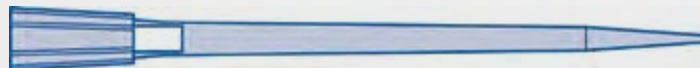
All tips are certified and natural in colour and shown approx. actual size.  
Racked tips are supplied in autoclavable polypropylene racks. Filter tips are not autoclavable.



#### 200 µl XL Tip

For use with but not limited to: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpiquette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®

| Pack Type    | Sterile | Pack Size | Article No.       |
|--------------|---------|-----------|-------------------|
| Bag          | No      | 1000      | <b>I1011-0020</b> |
| 204-Tip Rack | No      | 8 x 204   | <b>I1011-0920</b> |
| 204-Tip Rack | Yes     | 8 x 204   | <b>E1011-0921</b> |



#### 200 µl XL Filter Tip

For use with but not limited to: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpiquette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®

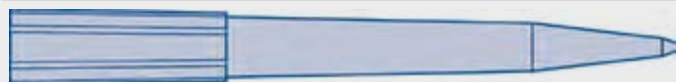
|              |     |         |                   |
|--------------|-----|---------|-------------------|
| Ind. Wrap    | Yes | 100     | <b>I1011-0070</b> |
| 204-Tip Rack | Yes | 8 x 204 | <b>I1011-0830</b> |



#### 200 µl XL Filter Tip

For use with but not limited to: ErgoOne®, Eppendorf®, Finnpiquette®, MLA®

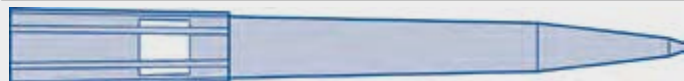
|              |     |         |                   |
|--------------|-----|---------|-------------------|
| 100-Tip Rack | Yes | 8 x 100 | <b>I1011-5830</b> |
|--------------|-----|---------|-------------------|



#### 1000 µl XL Bevelled Tip

For use with but not limited to: ErgoOne®, Gilson®, Biohit® (single-ch), Costar®, Eppendorf®, Finnpiquette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®

|              |    |          |                   |
|--------------|----|----------|-------------------|
| Bag          | No | 1000     | <b>E1011-1002</b> |
| 100-Tip Rack | No | 10 x 100 | <b>E1011-1430</b> |



#### 1000 µl XL Bevelled Filter Tip

For use with but not limited to: ErgoOne®, Gilson®, Biohit® (single-ch), Costar®, Eppendorf®, Finnpiquette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®

|     |    |      |                   |
|-----|----|------|-------------------|
| Bag | No | 1000 | <b>E1011-1008</b> |
|-----|----|------|-------------------|



#### 1250 µl XL Filter Tip

For use with but not limited to: ErgoOne®, ErgoOne® E, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpiquette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®

|             |     |        |                   |
|-------------|-----|--------|-------------------|
| 96-Tip Rack | Yes | 8 x 96 | <b>I1011-3010</b> |
|-------------|-----|--------|-------------------|

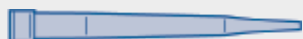
### MORE INFO

[www.starlab.click/specialitytips](http://www.starlab.click/specialitytips)

## 384-Format Tips.

### Ordering information

Tips are certified and natural in colour and shown approx. actual size.  
Supplied in autoclavable polypropylene racks.



#### 50 µl CAPP-Style 384-Format Tip, Low-Retention

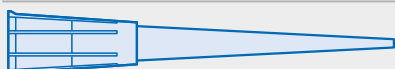
For use with but not limited to: CAPP® 16- 34- & 64-Channel

| Pack Type    | Sterile | Pack Size | Article No.       |
|--------------|---------|-----------|-------------------|
| 384-Tip Rack | Yes     | 10 x 384  | <b>E3840-5110</b> |

## Individually-Wrapped Tips.

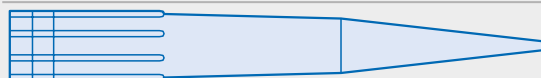
### Ordering information

All tips are certified and shown approx. actual size.



#### 200 µl Tip, Individually Wrapped, Yellow

| Pack Type | Sterile | Pack Size | Article No.       |
|-----------|---------|-----------|-------------------|
| Ind. Wrap | Yes     | 500       | <b>I1011-0016</b> |



#### 1000 µl Tip, Individually Wrapped, Blue

|           |     |     |                   |
|-----------|-----|-----|-------------------|
| Ind. Wrap | Yes | 500 | <b>I1011-2011</b> |
|-----------|-----|-----|-------------------|

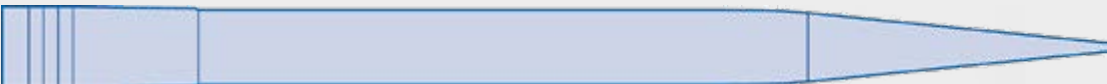
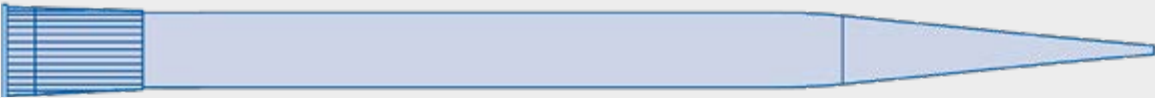
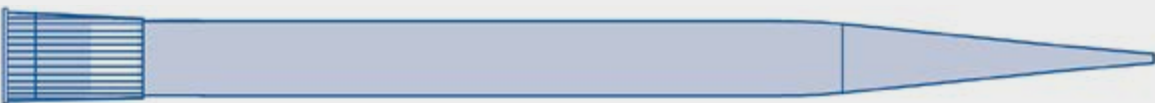


# Large Volume Tips.

Specialty Tips

## Order information

Unless stated, all tips are certified and natural in colour. Tips shown approx. actual size.  
Racked tips are supplied in autoclavable polypropylene racks. Filter tips are not autoclavable.

|                                                                                                                                                                                                                 | Pack Type   | Sterile | Pack Size | Article No.                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|-----------|--------------------------------|
| <br><b>5000 µl Biohit-Style Tip</b><br>For use with: Biohit®, Eppendorf®, Genex®                                              | Bag         | No      | 250       | <b>E1009-7000</b>              |
| <br><b>5000 µl Biohit-Style XL Tip</b><br>For use with: Biohit®, Eppendorf®, Genex®                                           | Bag         | No      | 250       | <b>E1009-7001</b>              |
| <br><b>5000 µl Eppendorf-Style Graduated Macro Tip</b><br>For use with: Eppendorf®, ErgoOne <sup>2)</sup> , Biohit®, Socorex® | Bag         | No      | 250       | <b>I1053-0000</b>              |
|                                                                                                                                                                                                                 | 50-Tip Rack | No      | 10 x 50   | <b>I1053-0700</b>              |
|                                                                                                                                                                                                                 | 50-Tip Rack | Yes     | 10 x 50   | <b>I1053-0710</b>              |
| <br><b>5000 µl Eppendorf-Style Graduated Filter Macro Tip</b><br>For use with: Eppendorf®, ErgoOne <sup>2)</sup> , Biohit®   | 50-Tip Rack | Yes     | 2 x 50    | <b>I1053-0728</b>              |
|                                                                                                                                                                                                                 | 50-Tip Rack | Yes     | 10 x 50   | <b>I1053-0718</b>              |
| <br><b>5000 µl ErgoOne® E / Finn-Style Tip</b><br>For use with: ErgoOne® E, Finnpiquette®, Brand®, SMI®, Socorex®           | Bag         | No      | 250       | <b>I1009-5000</b>              |
| <br><b>5000 µl ErgoOne® E / Finn-Style Tip</b><br>For use with: ErgoOne® E, Finnpiquette®, Brand®, SMI®, Socorex®           | Bag         | No      | 200       | <b>E1070-2596<sup>2)</sup></b> |
|                                                                                                                                                                                                                 | Bag         | No      | 5 x 200   | <b>E1070-2601<sup>2)</sup></b> |
| <br><b>5000 µl ErgoOne® E / Finn-Style Filter Tip</b><br>For use with: ErgoOne® E, Finnpiquette®, Brand®, SMI®, Socorex®    | Racked      | Yes     | 1 x 50    | <b>E1009-5718</b>              |

<sup>1)</sup> Compatible with 5.0 ml ErgoOne® pipettes only with alternative 5.0ml tip ejector available separately: Art No. P2351-5000

<sup>2)</sup> Not certified.



# Large Volume Tips.

## Order information

Unless stated, all tips are certified and natural in colour. Tips shown approx. actual size.  
Racked tips are supplied in autoclavable polypropylene racks. Filter tips are not autoclavable.



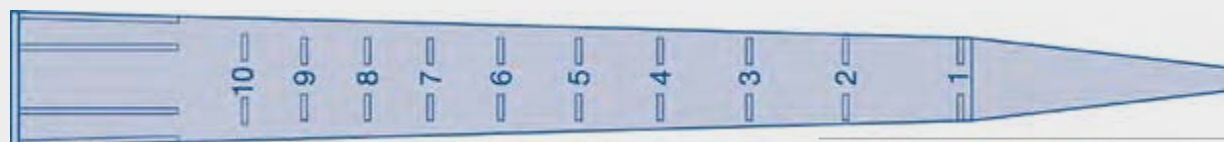
**5000 µl Gilson-Style Graduated Macro Tip**  
For use with: ErgoOne®, Gilson®, Nichiryo®, StarPet, Volac®

| Pack Type   | Sterile | Pack Size | Article No.         |
|-------------|---------|-----------|---------------------|
| Bag         | No      | 250       | <b>I1050-0000</b>   |
| Bag         | No      | 10 x 250  | <b>I1050-0000-C</b> |
| 50-Tip Rack | No      | 10 x 50   | <b>I1050-0700</b>   |
| 50-Tip Rack | Yes     | 10 x 50   | <b>I1050-0710</b>   |



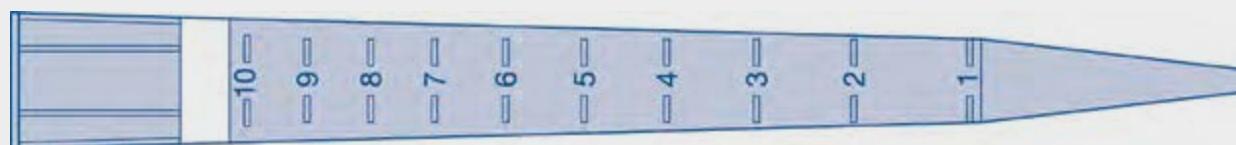
**5000 µl Gilson-Style Graduated Macro Filter Tip**  
For use with: ErgoOne®, Gilson®, Nichiryo®, StarPet, Volac®

|             |     |         |                   |
|-------------|-----|---------|-------------------|
| 50-Tip Rack | Yes | 2 x 50  | <b>I1050-0728</b> |
| 50-Tip Rack | Yes | 10 x 50 | <b>I1050-0718</b> |



**10 ml Gilson-Style Graduated Macro Tip**  
For use with: Gilson®, Eppendorf®, Rainin®, Socorex®, StarPet

|             |     |         |                   |
|-------------|-----|---------|-------------------|
| Bag         | No  | 200     | <b>I1054-0000</b> |
| 25-Tip Rack | No  | 10 x 25 | <b>I1054-0001</b> |
| 25-Tip Rack | Yes | 10 x 25 | <b>I1054-0011</b> |



**10 ml Gilson-Style Graduated Macro Filter Tip**  
For use with: Gilson®, Eppendorf®, Rainin®, Socorex®, StarPet

|             |     |        |                   |
|-------------|-----|--------|-------------------|
| 25-Tip Rack | Yes | 2 x 25 | <b>I1054-0028</b> |
|-------------|-----|--------|-------------------|



**10 ml Finn/Socorex-Style Blue Tip**  
For use with: Finn®, Socorex®, Accumax®, Biohit®

|             |     |         |                   |
|-------------|-----|---------|-------------------|
| Bag         | No  | 200     | <b>I1052-0000</b> |
| 25-Tip Rack | No  | 10 x 25 | <b>I1052-0001</b> |
| 25-Tip Rack | Yes | 10 x 25 | <b>I1052-0010</b> |

## MORE INFO

[www.starlab.click/specialitytips](http://www.starlab.click/specialitytips)

# Gel Extraction Tool.



## Gel extraction tool

Art. No. **N2000-0100**  
Pack size: 100

## MORE INFO

[www.starlab.click/gel-tool](http://www.starlab.click/gel-tool)

**Gel-loading tips  
are on page 14.**

# Gel-Loading Tips.

## Round Gel-Loading Tips

Tips are certified and natural in colour. Tips shown approx. actual size.  
Gel-loading tips are not autoclavable.



### 10µl Round Gel-Loading Tip

For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet



### 10µl Round Gel-Loading Filter Tip

For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet



### 10µl Round Gel-Loading Tip

For use with: ErgoOne®, Eppendorf®, Gilson®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet



### 20µl Round Gel-Loading Filter Tip

For use with: ErgoOne®, Gilson®, Costar®, Eppendorf®, MLA®, Socorex®, Volac®



### 100µl Round Gel-Loading Filter Tip

For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpiptette®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet, Titertek®, Volac®



### 200µl Round Gel-Loading Tip

For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Finnpiptette®, MLA®, Nichiryo®, Oxford-Benchmate®, Rainin®, StarPet, Socorex®, Titertek®, Volac®

Pack Type Sterile Pack Size Article No.

Length: Total 56.62 mm / Flexible: 25.30 mm.  
Orifice: OD. 0.58 mm / ID. 0.30 mm

Bag No 1000 **I1010-3000**

204-Tip Rack No 5 x 204 **I1010-3600**

204-Tip Rack Yes 5 x 204 **I1010-3610**

Length: 56.62 mm / Flexible capillary length: 25.30 mm.  
Orifice: OD. 0.58 mm / ID. 0.30 mm

204-Tip Rack Yes 5 x 204 **I1010-3800**

Length: Total 71.25 mm / Flexible capillary 25.3 mm.  
Orifice: OD. 0.58 mm / ID. 0.30 mm

204-Tip Rack No 8 x 204 **I1012-3600**

204-Tip Rack Yes 8 x 204 **I1012-3610**

Total Length: 68 mm.  
Orifice: OD. 0.60 mm / ID. 0.30 mm

204-Tip Rack Yes 5 x 204 **E1021-0618**

Total Length: 68 mm.  
Orifice: OD. 0.60 mm / ID. 0.30 mm

Bag No 1000 **E1022-0008**

204-Tip Rack Yes 5 x 204 **I1022-0810**

Total Length: 68 mm.  
Orifice: OD. 0.60 mm / ID. 0.30 mm

Bag No 1000 **I1022-0000**

204-Tip Rack No 5 x 204 **I1022-0600**

204-Tip Rack Yes 5 x 204 **I1022-0610**

## MORE INFO

[www.starlab.click/gel-loaders](http://www.starlab.click/gel-loaders)

## Flat Gel-Loading Tips

Tips are certified and natural in colour. Tips shown approx. actual size.  
Gel-loading tips are not autoclavable.



### 10µl Flat Gel-Loading Tip

For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet



### 10µl Flat Gel-Loading Tip

For use with: ErgoOne®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet



### 200µl Flat Gel-Loading Tip

For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpiptette®, Fisherbrand®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®

Pack Type Sterile Thickness Pack Size Article No.

200-Tip Rack No 0.20 mm 1 x 200 **I1012-2600**

200-Tip Rack No 0.40 mm 1 x 200 **I1012-4600**

200-Tip Rack No 0.20 mm 1 x 200 **I1011-2600**

200-Tip Rack No 0.20 mm 1 x 200 **I1022-2600**

200-Tip Rack No 0.40 mm 1 x 200 **I1022-4600**

# Wide Orifice Tips.

## Protect delicate samples

Protect your delicate samples from shear force and reduce flow resistance with Starlab's wide orifice tips. These high quality pipette tips made from 100% virgin polypropylene are ideal for use in a range of applications including next generation sequencing, cell culture, and plant sciences.

- Eliminate cell fragmentation caused by mechanical shearing
- Maintain the integrity of high molecular weight DNA like gDNA or rDNA
- Ideal for pipetting viscous solutions such as glycerol, Triton™ X100, blood, milk, syrup etc



Certified free of detectable RNase, DNase, DNA, PCR inhibitors, and tested pyrogen-free. Sterile product is certified endotoxin-free.

## Order information

All tips are certified and natural in colour. Tips shown approx. actual size.  
Racked tips are supplied in autoclavable polypropylene racks. Filter tips are not autoclavable.



### 200 µl Graduated Tip / Wide Orifice

For use with: ErgoOne®, Gilson®, Biohit®, Brand®, Capp®, Eppendorf®, Finnpiquette®, Hamilton®, Hirschmann®, HTL®, Nichiryo®, Rainin®, Sartorius®, Socorex®, StarPet®, StarPet® E, VWR®



### 200 µl Graduated Filter Tip / Wide Orifice

For use with: ErgoOne®, Gilson®, Biohit®, Brand®, Capp®, Eppendorf®, Finnpiquette®, Hamilton®, Hirschmann®, HTL®, Nichiryo®, Rainin®, Sartorius®, Socorex®, StarPet®, StarPet® E, VWR®



### 200 µl XL Graduated Tip / Wide Orifice

For use with: ErgoOne®, Gilson®, Biohit®, Brand®, Capp®, Eppendorf®, Finnpiquette®, Hamilton®, Hirschmann®, HTL®, Nichiryo®, Rainin®, Sartorius®, Socorex®, StarPet®, StarPet® E, VWR®



### 200 µl XL Graduated Filter Tip / Wide Orifice

For use with: ErgoOne®, Gilson®, Biohit®, Brand®, Capp®, Eppendorf®, Finnpiquette®, Hamilton®, Hirschmann®, HTL®, Nichiryo®, Rainin®, Sartorius®, Socorex®, StarPet®, StarPet® E, VWR®



### 1000 µl XL Graduated Tip / Wide Orifice

For use with: ErgoOne®, Gilson®, Biohit®, Brand®, Capp®, Eppendorf®, Finnpiquette®, Hamilton®, Hirschmann®, HTL®, Nichiryo®, Rainin®, Sartorius®, Socorex®, StarPet®, StarPet® E, VWR®



### 1000 µl XL Graduated Filter Tip / Wide Orifice

For use with: ErgoOne®, Gilson®, Biohit®, Brand®, Capp®, Eppendorf®, Finnpiquette®, Hamilton®, Hirschmann®, HTL®, Nichiryo®, Rainin®, Sartorius®, Socorex®, StarPet®, StarPet® E, VWR®

| Pack Type   | Sterile | Pack Size | Article No.       |
|-------------|---------|-----------|-------------------|
| Bag         | No      | 1000      | <b>E1011-8000</b> |
| 96-Tip Rack | No      | 10 x 96   | <b>E1011-8400</b> |
| 96-Tip Rack | Yes     | 10 x 96   | <b>E1011-8410</b> |
| 96-Tip Rack | Yes     | 10 x 96   | <b>E1011-8420</b> |
| 96-Tip Rack | No      | 2 x 96    | <b>E1011-7400</b> |
| 96-Tip Rack | Yes     | 2 x 96    | <b>E1011-7410</b> |
| 96-Tip Rack | Yes     | 2 x 96    | <b>E1011-7420</b> |
| Bag         | No      | 1000      | <b>E1011-9000</b> |
| 96-Tip Rack | No      | 10 x 96   | <b>E1011-9400</b> |
| 96-Tip Rack | Yes     | 10 x 96   | <b>E1011-9410</b> |
| 96-Tip Rack | Yes     | 10 x 96   | <b>E1011-9420</b> |

## MORE INFO

[www.starlab.click/specialitytips](http://www.starlab.click/specialitytips)



# TipOne® Repeat Dispenser Tips.



## Features

- Up to 100 dispenser steps with Multipette® Plus
- 25 ml & 50 ml Tips compatible with all Eppendorf® Repeat Dispensers provided you are using the Eppendorf Adaptor
- Separate, colour-coded adapters for 25 ml & 50 ml tips
- Lower dispensing forces
- High accuracy and precision
- ISO 8655 manufactured

## Order information

| Description                                       | Pack Size | Article No.       |
|---------------------------------------------------|-----------|-------------------|
| <b>Non-Sterile</b>                                |           |                   |
| 0.1 ml TipOne® Repeat Tips                        | 100       | <b>S4751-0010</b> |
| 0.5 ml TipOne® Repeat Tips                        | 100       | <b>S4751-0050</b> |
| 1.0 ml TipOne® Repeat Tips                        | 100       | <b>S4751-0100</b> |
| 2.5 ml TipOne® Repeat Tips                        | 100       | <b>S4751-0250</b> |
| 5.0 ml TipOne® Repeat Tips                        | 100       | <b>S4751-0500</b> |
| 10 ml TipOne® Repeat Tips                         | 100       | <b>S4751-1000</b> |
| 25 ml TipOne® Repeat Tips <sup>1)</sup>           | 100       | <b>S4751-2500</b> |
| 50 ml TipOne® Repeat Tips <sup>1)</sup>           | 100       | <b>S4751-5000</b> |
| Adapter for 25 ml Dispenser Tips                  | 1         | <b>S4756-2500</b> |
| Adapter for 50 ml Dispenser Tips                  | 1         | <b>S4756-5000</b> |
| <b>Sterile, Individually Wrapped</b>              |           |                   |
| 0.1 ml TipOne® Repeat Tips (Sterile)              | 100       | <b>S4761-0010</b> |
| 0.5 ml TipOne® Repeat Tips (Sterile)              | 100       | <b>S4761-0050</b> |
| 1.0 ml TipOne® Repeat Tips (Sterile)              | 100       | <b>S4761-0100</b> |
| 2.5 ml TipOne® Repeat Tips (Sterile)              | 100       | <b>S4761-0250</b> |
| 5.0 ml TipOne® Repeat Tips (Sterile)              | 100       | <b>S4761-0500</b> |
| 10 ml TipOne® Repeat Tips (Sterile)               | 100       | <b>S4761-1000</b> |
| 25 ml TipOne® Repeat Tips (Sterile) <sup>1)</sup> | 100       | <b>S4761-2500</b> |
| 50 ml TipOne® Repeat Tips (Sterile) <sup>1)</sup> | 100       | <b>S4761-5000</b> |
| Adapter for 25 ml Dispenser Tips (Sterile)        | 7         | <b>S4765-2500</b> |
| Adapter for 50 ml Dispenser Tips (Sterile)        | 7         | <b>S4765-5000</b> |

<sup>1)</sup> 25 ml and 50 ml tips are supplied with four adapters.

**Note:** TipOne® Repeat Dispenser Tips are not autoclavable.

## Compatibility

|                   |                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------|
| STARLAB           | RepeatOne®, RepeatOne® S.                                                                     |
| Brand             | Handystep® Manual. Handystep® S. HandyStep® Electronic                                        |
| Denville          | Faststepper®                                                                                  |
| Eppendorf         | Multipette® 4780. Multipette® Plus <sup>1)</sup> . Multipette® stream / Xstream <sup>2)</sup> |
| Gilson            | Distriman®, Pipetman®, Repetman®                                                              |
| Labnet            | Labpette®                                                                                     |
| Nichiryo / Oxford | Nichimate® Stepper                                                                            |
| Rainin            | AutoRep® E. AutoRep® S. Autorep® M                                                            |
| Ritter            | Ripette®, Ripette® Pro. Ripette® genX                                                         |
| Sartorius         | Biohit® Mechanical Stepper. Biohit® eLine® Pro. Biohit® eLine® Lite                           |
| Scilogex          | Stepmate®                                                                                     |
| Thermo Fisher     | Fisherbrand® Repeat Stepper.                                                                  |

<sup>1)</sup> Tip recognition works only with old sensor (prior to service).

<sup>2)</sup> For use with models manufactured prior to Dec 2013 only.

## Application Guide

| Dispenser Tip Volume      | Dispenser Adjustment |           |           |           |          |
|---------------------------|----------------------|-----------|-----------|-----------|----------|
|                           | 1                    | 2         | 3         | 4         | 5        |
| 0.1 ml                    | 2 µl                 | 4 µl      | 6 µl      | 8 µl      | 10 µl    |
| 0.5 ml                    | 10 µl                | 20 µl     | 30 µl     | 40 µl     | 50 µl    |
| 1.0 ml                    | 20 µl                | 40 µl     | 60 µl     | 80 µl     | 100 µl   |
| 2.5 ml                    | 50 µl                | 100 µl    | 150 µl    | 200 µl    | 250 µl   |
| 5.0 ml                    | 100 µl               | 200 µl    | 300 µl    | 400 µl    | 500 µl   |
| 10 ml                     | 200 µl               | 400 µl    | 600 µl    | 800 µl    | 1000 µl  |
| 25 ml                     | 500 µl               | 1000 µl   | 1500 µl   | 2000 µl   | 2500 µl  |
| 50 ml                     | 1000 µl              | 2000 µl   | 3000 µl   | 4000 µl   | 5000 µl  |
| <b>Steps<sup>1)</sup></b> | <b>48</b>            | <b>23</b> | <b>15</b> | <b>11</b> | <b>8</b> |

<sup>1)</sup> Number of steps may vary according to dispenser manufacturer.

## MORE INFO

[www.starlab.click/dispensertips](http://www.starlab.click/dispensertips)



**NEW!**

**RepeatOne® S Dispenser.**

**See page 30.**

# Robotic tips.



## **TIPS FOR: BECKMAN COULTER®**

Biomek® i-Series • Biomek® FX • Biomek® NX  
• Biomek® 3000 • Biomek® 4000  
• Multimek® ..... 18

## **TIPS FOR PACKARD®**

MultiProbe® II • MultiProbe® IIHT/EX ..... 20

## **TIPS FOR TECAN®**

Tecan® (with LiHa) Freedom EVO®  
• Genesis • MiniPrep ..... 20

## **TIPS FOR QIAGEN® / TECAN**

QIAgility® (formerly CAS-1200) ..... 21

## **ROBOTIC RESERVOIRS**

Robotic Reservoirs. .... 21



# Tips for: Beckman Coulter®

Biomek® i-Series • Biomek® FX • Biomek® NX •  
Biomek® 3000 • Biomek® 4000 • Multimek®



### Product features

- Ensured tip compatibility and consistent fit
- AP96 and SPAN-8 Compatible
- Non-sterile products are Certified RNase, DNase and DNA free. Tested pyrogen free.
- Sterile products are Certified RNase, DNase, DNA and Pyrogen free.

| Racked Tips                                                                                                                   |                                                  |                                              |                                              |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------|----------------------------------------------|
|                                                                                                                               | Rack Style / Head                                | Non-Sterile<br>10 x 96-Tip Racks             | Sterile<br>10 x 96-Tip Racks                 |
| <br>20 µl Tip                                | Pale Blue SBS Rack.<br>AP96, SPAN-8,<br>MP20     | <b>E1076-4400</b><br><b>E1076-4400-C (5)</b> | <b>E1076-4410</b><br><b>E1076-4410-C (5)</b> |
| <br>20 µl Filter Tip                        | Pale Blue SBS Rack.<br>AP96, SPAN-8,<br>MP20     | n/a                                          | <b>E1076-4418</b><br><b>E1076-4418-C (5)</b> |
| <br>50 µl Tip                              | Orange SBS Rack.<br>AP96, SPAN-8,<br>MP20, MP200 | <b>E1076-2400</b><br><b>E1076-2400-C (5)</b> | <b>E1076-2410</b><br><b>E1076-2410-C (5)</b> |
| <br>50 µl Filter Tip                       | Orange SBS Rack.<br>AP96, SPAN-8,<br>MP20, MP200 | n/a                                          | <b>E1076-2418</b><br><b>E1076-2418-C (5)</b> |
| <br>250 µl Tip                             | Green SBS Rack.<br>AP96, SPAN-8,<br>MP200        | <b>E1076-0400</b><br><b>E1076-0400-C (5)</b> | <b>E1076-0410</b><br><b>E1076-0410-C (5)</b> |
| <br>175 µl Filter Tip                      | Green SBS Rack.<br>AP96, SPAN-8,<br>MP200        | n/a                                          | <b>E1076-0418</b><br><b>E1076-0418-C (5)</b> |
| <b>Also compatible with:</b> Gilson® Cyberlab®.<br>-C Article No. is the case size. The number in brackets is packs per case. |                                                  |                                              |                                              |

MORE INFO

[www.starlab.click/robotictips](http://www.starlab.click/robotictips)

## Refill system.

### Product features

- Refillable racks and space-saving refill stacks
- Refills take up 40% less space!
- AP96 and SPAN-8 compatible
- Reusable racks means less waste and less cost
- No programming or software changes required
- Non-sterile products are Certified RNase, DNase and DNA free. Tested pyrogen free.
- Sterile products are Certified RNase, DNase, DNA and Pyrogen free.



### Refillable racks

Buy the refillable racks first to get started

#### Refillable Racks

|                                                                                                  | Rack Style / Head                          | Non-Sterile<br>10 x 96-Tip Refillable Racks  |
|--------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------|
| <br>20 µl Tip   | Pale Blue Refillable Rack.<br>AP96, SPAN-8 | <b>E1076-4800</b><br><b>E1076-4800-C (5)</b> |
| <br>250 µl Tip | Green Refillable Rack.<br>AP96, SPAN-8     | <b>E1076-0800</b><br><b>E1076-0800-C (5)</b> |

-C Article No. is the case size. The number in brackets is packs per case.

### Refills

Reuse the refillable racks with these refills

#### Refills

|                                                                                                   | Refill Style / Head               | Non-Sterile<br>10 x 96-Tip Refills           |
|---------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------|
| <br>20 µl Tip  | Pale Blue Refill.<br>AP96, SPAN-8 | <b>E1076-4700</b><br><b>E1076-4700-C (5)</b> |
| <br>250 µl Tip | Green Refill.<br>AP96, SPAN-8     | <b>E1076-0700</b><br><b>E1076-0700-C (5)</b> |

-C Article No. is the case size. The number in brackets is packs per case.

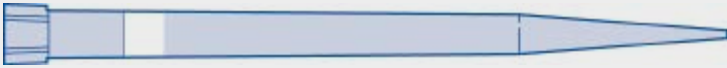
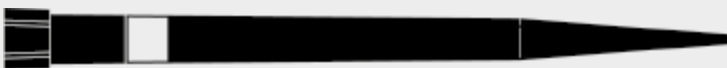


# Tips for Packard® MultiProbe® II • MultiProbe® IIHT/EX Tecan® (with LiHa) Freedom EVO® • Genesis • MiniPrep



Packard® / Tecan®

## Hanging Racks

|                                                                                                                      | Rack Style / Head                                         | Non-Sterile<br>24 x 96-Tip Racks |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------|
| <br>50 µl Tip                       | White Hanging Rack.<br>Varispan with<br>4 or 8 head probe | <b>R1181-5700</b>                |
| <br>50 µl Filter Tip                | White Hanging Rack.<br>Varispan with<br>4 or 8 head probe | <b>R1128-5810</b>                |
| <br>200 µl Tip                      | White Hanging Rack.<br>Varispan with<br>4 or 8 head probe | <b>R1181-0700</b>                |
| <br>200 µl Filter Tip               | White Hanging Rack.<br>Varispan with<br>4 or 8 head probe | <b>R1128-0810</b>                |
| <br>1000 µl Filter Tip             | White Hanging Rack.<br>Varispan with<br>4 or 8 head probe | <b>R1128-2810</b>                |
| <br>50 µl Conductive Tip          | White Hanging Rack.<br>Varispan with<br>4 or 8 head probe | <b>R1181-5709</b>                |
| <br>200 µl Conductive Filter Tip  | White Hanging Rack.<br>Varispan with<br>4 or 8 head probe | <b>R1128-0819</b>                |
| <br>1000 µl Conductive Filter Tip | White Hanging Rack.<br>Varispan with<br>4 or 8 head probe | <b>R1128-2819</b>                |

### Also compatible with:

Aurora Biomed® Versa™ systems with 8-channel head, Qiagen® QIAgility® (CAS-1200) with single-channel head

Racks supplied  
in individual  
blister packs.



Supplied in blister packs

**MORE INFO**

[www.starlab.click/robotictips](http://www.starlab.click/robotictips)

# Tips for Qiagen® QIAgility® (formerly CAS-1200)

## Hanging Racks

|                                                                                                                          | Rack Style / Head                             | Non-Sterile       | Sterile                                      |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------|----------------------------------------------|
|                                                                                                                          |                                               | 10 x 96-Tip Racks | 10 x 96-Tip Racks                            |
| <br><b>50 µl</b> Conductive Filter Tip  | Clear Hanging Rack.<br>Single-Channel Pipette | n/a               | <b>E1172-1418</b><br><b>E1172-1418-C (5)</b> |
| <br><b>200 µl</b> Conductive Filter Tip | Clear Hanging Rack.<br>Single-Channel Pipette | n/a               | <b>E1173-2418</b><br><b>E1173-2418-C (5)</b> |

**Also compatible with: Tecan® robotic systems: Freedom EVO® Genesis® series and MiniPrep®**  
 -C Article No. is the case size. The number in brackets is packs per case.

## Robotic Reservoirs.



**Multi-Well  
12-Channel  
High Profile**  
 84 ml reservoir,  
multi-well with  
12 x 7.0 ml troughs  
**E2999-8412**  
 Pack size: 25



**Single-Well  
96 Pyramid Bottoms  
High Profile**  
 240 ml reservoir,  
single-well with  
96 pyramid wells  
**E2999-2496**  
 Pack size: 25

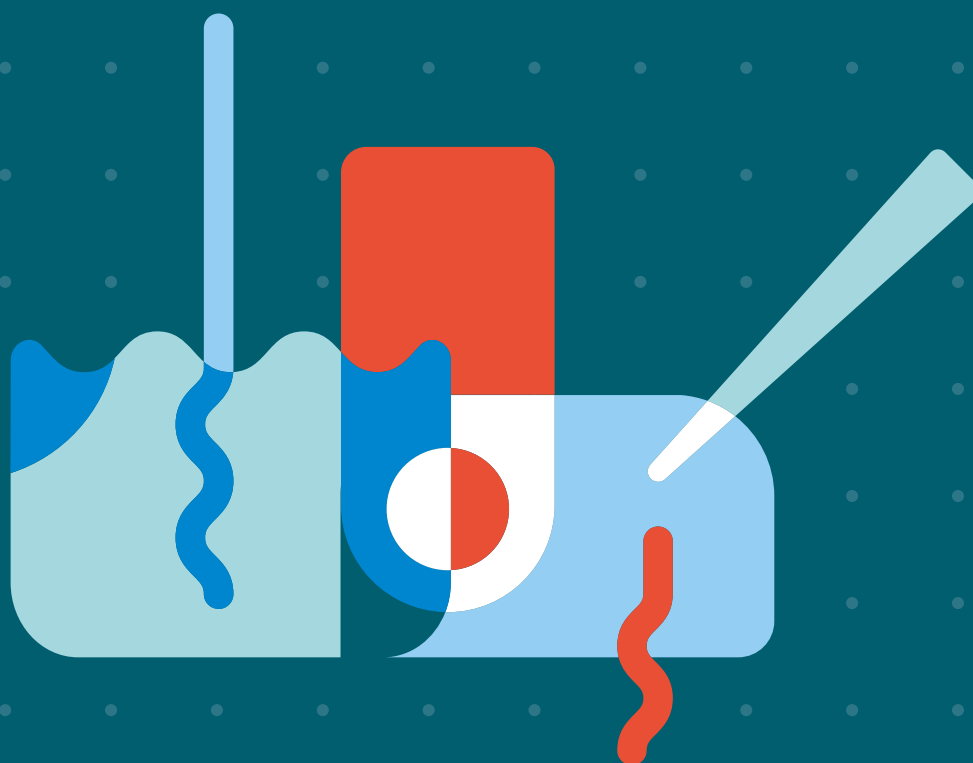
### MORE INFO

[www.starlab.click/roboticreservoirs](http://www.starlab.click/roboticreservoirs)



## Notes.

# Pipettes.



## MANUAL PIPETTES

|                                       |    |
|---------------------------------------|----|
| ErgoOne® Single-Channel Pipettes..... | 24 |
| ErgoOne® Starter Packs.....           | 25 |
| ErgoOne® Multi-Channel Pipettes.....  | 25 |

## ELECTRONIC PIPETTES

|                                     |    |
|-------------------------------------|----|
| ErgoOne® E Electronic Pipettes..... | 26 |
|-------------------------------------|----|

## PIPETTE CONTROLLERS

|                                        |    |
|----------------------------------------|----|
| ErgoOne® FAST Pipette Controller. .... | 27 |
| StarPet Filler (Manual).....           | 27 |

## PIPETTE STANDS

|                                 |    |
|---------------------------------|----|
| Pipette Stands and Holders..... | 28 |
|---------------------------------|----|

## POLYSTYRENE PIPETTES

|                           |    |
|---------------------------|----|
| Serological Pipettes..... | 29 |
| Aspiration Pipettes. .... | 29 |

## REPEAT DISPENSER

|                       |    |
|-----------------------|----|
| Repeat Dispenser..... | 30 |
|-----------------------|----|



# ErgoOne® Single-Channel Pipettes.

## Product features

- Minimal operating forces
- Lightweight ergonomic design
- Colour coded
- Volume lock
- Universal tip fit<sup>1)</sup>



WATCH VIDEO

| Order information               |            |              |                                     |          |                                  |          |                               |
|---------------------------------|------------|--------------|-------------------------------------|----------|----------------------------------|----------|-------------------------------|
| Volume Range<br>(Colour Coding) | Increments | Volume<br>µl | Systematic Error<br>(Inaccuracy) ±% |          | Random Error<br>(Imprecision) ±% |          | Article No.                   |
|                                 |            |              | 8655-2                              | ErgoOne® | 8655-2                           | ErgoOne® |                               |
| Single-Channel                  |            |              |                                     |          |                                  |          |                               |
| 0.1 –2.5 µl<br>(Red)            | 0.002 µl   | 0.1          | 25                                  | 24       | 25                               | 12       | S7100-0125                    |
|                                 |            | 0.25         | 25                                  | 12       | 20                               | 6.0      |                               |
|                                 |            | 1.25         | 5.0                                 | 2.5      | 4.0                              | 1.5      |                               |
|                                 |            | 2.5          | 2.5                                 | 1.4      | 2.0                              | 0.7      |                               |
| 0.5 –10 µl<br>(Red)             | 0.01 µl    | 1.0          | 12                                  | 2.5      | 8.0                              | 1.8      | S7100-0510                    |
|                                 |            | 5            | 2.4                                 | 1.5      | 1.6                              | 0.8      |                               |
|                                 |            | 10           | 1.2                                 | 1.0      | 0.8                              | 0.4      |                               |
| 2.0 –20 µl<br>(Red)             | 0.02 µl    | 2            | 10                                  | 5.0      | 5.0                              | 1.5      | S7100-0221<br>(micro cone)    |
|                                 |            | 10           | 2.0                                 | 1.2      | 1.0                              | 0.6      |                               |
|                                 |            | 20           | 1.0                                 | 1.0      | 0.5                              | 0.3      |                               |
| 2.0 –20 µl<br>(Yellow)          | 0.02 µl    | 2            | 10                                  | 5.0      | 5.0                              | 1.5      | S7100-0220<br>(standard cone) |
|                                 |            | 10           | 2.0                                 | 1.2      | 1.0                              | 0.6      |                               |
|                                 |            | 20           | 1.0                                 | 1.0      | 0.5                              | 0.3      |                               |
| 10 –100 µl<br>(Yellow)          | 0.1 µl     | 10           | 8.0                                 | 3.0      | 3.0                              | 1.0      | S7100-1100                    |
|                                 |            | 50           | 1.6                                 | 1.0      | 0.6                              | 0.3      |                               |
|                                 |            | 100          | 0.8                                 | 0.8      | 0.3                              | 0.2      |                               |
| 20 –200 µl<br>(Yellow)          | 0.2 µl     | 20           | 8.0                                 | 2.5      | 3.0                              | 0.7      | S7100-2200                    |
|                                 |            | 100          | 1.6                                 | 1.0      | 0.6                              | 0.3      |                               |
|                                 |            | 200          | 0.8                                 | 0.6      | 0.3                              | 0.2      |                               |
| 100 –1000 µl<br>(Blue)          | 1 µl       | 100          | 8.0                                 | 3.0      | 3.0                              | 0.6      | S7110-1000                    |
|                                 |            | 500          | 1.6                                 | 1.0      | 0.6                              | 0.2      |                               |
|                                 |            | 1000         | 0.8                                 | 0.6      | 0.3                              | 0.2      |                               |
| 500 –5000 µl<br>(Violet)        | 5 µl       | 500          | 8.0                                 | 2.4      | 3.0                              | 0.6      | S7150-5000                    |
|                                 |            | 2500         | 1.6                                 | 1.2      | 0.6                              | 0.25     |                               |
|                                 |            | 5000         | 0.8                                 | 0.6      | 0.3                              | 0.15     |                               |

Tested in accordance with EN ISO 8655, using STARLAB's TipOne® tips. 3-year warranty.  
<sup>1)</sup>Excluding 5.0 ml.



See page 28  
for pipette stands

MORE INFO

[www.starlab.click/ergoone](http://www.starlab.click/ergoone)





# ErgoOne® Starter Packs.



|                                                                         | Art. No.<br>StarterPack | Art. No.<br>StarterPack42.5 | Art. No.<br>StarterPack410 |
|-------------------------------------------------------------------------|-------------------------|-----------------------------|----------------------------|
| 0.1 – 2.5 µl ErgoOne® Single-Channel Pipette (S7100-0125)               | —                       | ☑                           | —                          |
| 0.5 – 10 µl ErgoOne® Single-Channel Pipette (S7100-0510)                | —                       | —                           | ☑                          |
| 2.0 – 20 µl ErgoOne® Single-Channel Pipette, Standard Cone (S7100-0220) | ☑                       | ☑                           | ☑                          |
| 20 – 200 µl ErgoOne® Single-Channel Pipette (S7100-2200)                | ☑                       | ☑                           | ☑                          |
| 100 – 1000 µl ErgoOne® Single-Channel Pipette (S7110-1000)              | ☑                       | ☑                           | ☑                          |
| TipOne® Pipette Tips (three racks of sterile tips per pack)             | ☑                       | ☑                           | ☑                          |
| Self-Adhesive Pipette Holder (one holder per per pipette supplied)      | ☑                       | ☑                           | ☑                          |
| Lab Timer (one timer per StarterPack)                                   | ☑                       | ☑                           | ☑                          |
| 3-year warranty (pipettes only)                                         |                         |                             |                            |

Manual Pipettes

# ErgoOne® Multi-Channel Pipettes.

### Product features

- Minimal operating forces
- Lightweight ergonomic design
- Colour coded
- Volume lock
- Universal tip fit



### Order information

| Volume Range<br>(Colour Coding) | Increments | Volume<br>µl | Systematic Error<br>(Inaccuracy) ±% |          | Random Error<br>(Imprecision) ≤% |          | Article No. |
|---------------------------------|------------|--------------|-------------------------------------|----------|----------------------------------|----------|-------------|
|                                 |            |              | 8655-2                              | ErgoOne® | 8655-2                           | ErgoOne® |             |
| 8-Channel Pipettes              |            |              |                                     |          |                                  |          |             |
| 0.5 –10 µl<br>(Red)             | 0.01 µl    | 1.0          | 24                                  | 8.0      | 16                               | 5.0      | S7108-0510  |
|                                 |            | 5.0          | 4.8                                 | 4.0      | 3.2                              | 2.0      |             |
|                                 |            | 10           | 2.4                                 | 2.0      | 1.6                              | 1.0      |             |
| 10 –100 µl<br>(Yellow)          | 0.1 µl     | 10           | 16                                  | 3.0      | 6.0                              | 2.0      | S7108-1100  |
|                                 |            | 50           | 3.2                                 | 1.0      | 1.2                              | 0.8      |             |
|                                 |            | 100          | 1.6                                 | 0.8      | 0.6                              | 0.3      |             |
| 30 –300 µl<br>(Green)           | 0.2 µl     | 30           | 16                                  | 3.0      | 6.0                              | 1.0      | S7108-3300  |
|                                 |            | 150          | 3.2                                 | 1.0      | 1.2                              | 0.5      |             |
|                                 |            | 300          | 1.6                                 | 0.6      | 0.6                              | 0.3      |             |
| 12-Channel Pipettes             |            |              |                                     |          |                                  |          |             |
| 0.5 –10 µl<br>(Red)             | 0.01 µl    | 1.0          | 24                                  | 8.0      | 16                               | 5.0      | S7112-0510  |
|                                 |            | 5.0          | 4.8                                 | 4.0      | 3.2                              | 2.0      |             |
|                                 |            | 10           | 2.4                                 | 2.0      | 1.6                              | 1.0      |             |
| 10 –100 µl<br>(Yellow)          | 0.1 µl     | 10           | 16                                  | 3.0      | 6.0                              | 2.0      | S7112-1100  |
|                                 |            | 50           | 3.2                                 | 1.0      | 1.2                              | 0.8      |             |
|                                 |            | 100          | 1.6                                 | 0.8      | 0.6                              | 0.3      |             |
| 30 –300 µl<br>(Green)           | 0.2 µl     | 30           | 16                                  | 3.0      | 6.0                              | 1.0      | S7112-3300  |
|                                 |            | 150          | 3.2                                 | 1.0      | 1.2                              | 0.5      |             |
|                                 |            | 300          | 1.6                                 | 0.6      | 0.6                              | 0.3      |             |

Tested in accordance with EN ISO 8655, using STARLAB's TipOne® tips. 3-year warranty.

MORE INFO  
[www.starlab.click/ergoone](http://www.starlab.click/ergoone)

Do you need your new pipette supplied with UKAS Certification? We can supply ErgoOne® and ErgoOne® E pipettes with a Certificate of Calibration for a **10.3 As Found UKAS Calibration.**

See page 40 Calibration Services for information and ordering details.

# ErgoOne® E Electronic Pipettes.



## ErgoOne® E OPERATING MODES

Pipetting | Reverse Pipetting | Mixing  
Dispense | Electrophoresis\*

### Product features

- Easy to use intuitive menu structure
- Lightweight, ergonomic design
- Adjustable finger rest for individual comfort
- Significantly reduced tip loading and ejection forces
- Universal tip fit
- Multi-channels include TipOne® tips and a pipette stand or holder

### MORE INFO

[www.starlab.click/electronicpipettes](http://www.starlab.click/electronicpipettes)

### Order information

| Volume Range                   | Increments | Systematic Error (Inaccuracy) ±% | Random Error (Imprecision) ±% | Article No.       |
|--------------------------------|------------|----------------------------------|-------------------------------|-------------------|
| <b>Single-Channel Pipettes</b> |            |                                  |                               |                   |
| 0.5–10 µl (red)                | 0.01 µl    | 5.0/1.5/1.0                      | 2.0/0.8/0.4                   | <b>G9001-0010</b> |
| 2.0–20 µl (red)                | 0.02 µl    | 5.0/1.5/1.0                      | 2.5/0.8/0.4                   | <b>G9001-0020</b> |
| 10–200 µl (yellow)             | 0.2 µl     | 4.0/1.2/0.8                      | 0.6/0.3/0.2                   | <b>G9001-0200</b> |
| 50–1000 µl (blue)              | 1.0 µl     | 3.0/1.0/0.6                      | 0.6/0.3/0.2                   | <b>G9001-1000</b> |
| 250 µl–5 ml (violet)           | 5.0 µl     | 3.0/1.0/0.6                      | 0.6/0.3/0.2                   | <b>G9001-5000</b> |
| <b>8-Channel Pipettes</b>      |            |                                  |                               |                   |
| 0.5–10 µl (red)                | 0.01 µl    | 8.0/2.0/1.2                      | 4.0/1.5/8.0                   | <b>G9008-0010</b> |
| 1.0–20 µl (red)                | 0.02 µl    | 8.0/2.0/1.0                      | 3.0/1.0/0.5                   | <b>G9008-0020</b> |
| 5.0–100 µl (yellow)            | 0.1 µl     | 4.0/1.6/0.8                      | 1.5/0.4/0.25                  | <b>G9008-0100</b> |
| 15–300 µl (green)              | 0.5 µl     | 4.0/1.4/0.8                      | 1.2/0.4/0.25                  | <b>G9008-0300</b> |
| 50–1250 µl (blue)              | 1.0 µl     | 5.0/1.2/1.0                      | 1.2/0.4/0.25                  | <b>G9008-1250</b> |
| <b>12-Channel Pipettes</b>     |            |                                  |                               |                   |
| 0.5–10 µl (red)                | 0.01 µl    | 8.0/2.0/1.2                      | 4.0/1.5/8.0                   | <b>G9012-0010</b> |
| 1.0–20 µl (red)                | 0.02 µl    | 8.0/2.0/1.0                      | 3.0/1.0/0.5                   | <b>G9012-0020</b> |
| 5.0–100 µl (yellow)            | 0.1 µl     | 4.0/1.6/0.8                      | 1.5/0.4/0.25                  | <b>G9012-0100</b> |
| 15–300 µl (green)              | 0.5 µl     | 4.0/1.4/0.8                      | 1.2/0.4/0.25                  | <b>G9012-0300</b> |
| 50–1250 µl (blue)              | 1.0 µl     | 5.0/1.2/1.0                      | 1.2/0.4/0.25                  | <b>G9012-1250</b> |

**Single-channels** supplied with battery, AC Adapter and silicone oil.

**Multi-channel combo packs:** 10 µl to 300 µl multi-channel pipettes supplied with a battery, AC Adapter, individual stand (G999-1004), one rack of TipOne® pipette tips, and silicone oil.

**1250 µl** models supplied with battery, AC Adapter, pipette shelf holder (G9999-1009), two racks of TipOne® pipette tips, and silicone oil.

Final test values related to nominal value which is printed on the device (ie, max. volume) and the indicated volume steps, according to DIN EN ISO 8655. 1-year warranty.

### See MIXing, DISPense and GEL\* modes in action

WATCH VIDEOS

\*Electrophoresis (GEL) mode is not available on 1000 µl, 1250 µl or 5000 µl models.



See page 28  
for pipette stands

### Accessories

| Description                                                               | Pack Size | Article No.       |
|---------------------------------------------------------------------------|-----------|-------------------|
| AC Adapter for Europe/UK (230V/50 Hz)                                     | 1         | <b>G9999-1000</b> |
| Replacement Battery                                                       | 1         | <b>G9999-1005</b> |
| Silicone Oil for Piston (for Single-Channel Pipettes, 10 µl to 1000 µl)   | 1         | <b>G9999-1006</b> |
| Silicone Oil for Piston (for 5000 µl Single-Channel / all Multi-Channels) | 1         | <b>G9999-1007</b> |
| Fluorstatic Grease for Guiding Axis (for Multi-Channel Pipettes)          | 1         | <b>G9999-1008</b> |
| Piston Grease (for 1250 µl multi-channels only)                           | 1         | <b>G9999-1012</b> |



# ErgoOne® FAST Pipette Controller.



## MORE INFO

[www.starlab.click/ergoonefast](http://www.starlab.click/ergoonefast)

### Product features

- Fills a 25 ml pipette in less than 4 seconds!
- Battery maintains constant pipetting speed that does not diminish as battery charge declines
- Longlife battery! ~2000 x 25 ml aspiration cycles on full charge
- Lightweight, ergonomic design for fatigue-free pipetting
- Use with all plastic or glass serological pipettes, 1.0 ml – 100 ml

### Order information

| Description                                    | Pack Size | Article No.       |
|------------------------------------------------|-----------|-------------------|
| ErgoOne® FAST Pipette Controller <sup>1)</sup> | 1         | <b>S7166-0010</b> |
| <b>Accessories</b>                             |           |                   |
| Replacement/Additional Wall Mount              | 1         | <b>P7166-6402</b> |
| Sticky Tape for Wall Mount                     | 1         | <b>P7166-6701</b> |
| 0.2 µm Membrane Filter, PTFE (Sterile)         | 5         | <b>P7166-6605</b> |
| 0.45 µm Membrane Filter, PTFE (Sterile)        | 5         | <b>P7166-6800</b> |
| Replacement Seal for Filter Adapter            | 5         | <b>P7166-6904</b> |
| Replacement Pipette Adapter (Silicone)         | 1         | <b>P7166-6002</b> |
| Replacement Aspiration Cone                    | 1         | <b>P7166-6103</b> |
| Replacement Lithium Polymer Battery, 3.7 V     | 1         | <b>P7166-6501</b> |
| Replacement Power Supply, 100-240 V / 50-60 Hz | 1         | <b>P7166-6109</b> |
| ErgoOne® FAST Pipette Benchtop Support         | 1         | <b>P7166-6306</b> |

<sup>1)</sup>Supplied with a battery, a power supply, 0.2 µl filter, 0.45 µl filter and a wall mount. 2-year warranty.



Pressure responsive speed controls



Autoclavable aspiration cone & silicone pipette holder ensures a secure seal, while the filter protects your pipette



Traffic light battery-life indicator



Easy to replace battery



Handy benchtop support allows you to place the controller on the bench or hood floor without risk of contamination.



WATCH VIDEO

# StarPet Filler (Manual).



### Product features

- Use with all plastic or glass pipettes, 1.0 ml – 25 ml
- Exceptionally smooth operation
- Autoclavable silicone pipette holder

### Order information

| Description             | Pack Size | Article No.       |
|-------------------------|-----------|-------------------|
| StarPet Filler (Manual) | 1         | <b>E4866-2000</b> |
| Silicone Pipette Holder | 1         | <b>E4266-0040</b> |

1-year warranty.

## MORE INFO

[www.starlab.click/pipettecontrollers](http://www.starlab.click/pipettecontrollers)



# Pipette Stands and Holders.

## Order information



### ErgoOne® Universal Carousel Stand for up to 8 pipettes (UV Resistant)

For use with:  
**ErgoOne**®, Biohit®, Finn®, Gilson®,  
Rainin® single or multi-channel  
pipettes **S7200-0000**



### Universal Acrylic Pipette Stand for up to 5 pipettes (UV Resistant)

For use with:  
**ErgoOne**®, Biohit®, Finn®,  
Eppendorf®, Gilson®, Rainin®  
single or multi-channel pipettes **E3099-0000**



### ErgoOne® Self-Adhesive Shelf Holder for 1 pipette (UV Resistant)

For use with:  
**ErgoOne**® single or  
multi-channel pipettes **E3099-0001**



### ErgoOne® Bench Support for 1 pipette

For use with:  
**ErgoOne**® single-channel  
pipettes **E3099-0002**  
(pack of 5)



### ErgoOne® Wall Mount for 1 pipette (UV Resistant)

For use with:  
**ErgoOne**®, Eppendorf®, Finn®,  
Gilson®, Rainin®, Sartorius®  
single or multi-channel pipettes  
with finger hook **S7200-0001**



### ErgoOne® E Charging Stand for up to 3 pipettes

For use with:  
all **ErgoOne**® E  
single-channel  
pipettes (excl. 5.0 ml) **G9999-1001**



### ErgoOne® E Individual Stand for 1 single-channel pipette

For use with:  
**ErgoOne**® E  
single-channel  
pipettes **10 µl to 1000 µl**  
**G9999-1002**  
**5000 µl**  
**G9999-1003**



### ErgoOne® E Individual Stand for 1 multi-channel pipette

For use with:  
**ErgoOne**® E multi-channel  
pipettes (excl. 1250 µl) **G9999-1004**



### ErgoOne® E Shelf-Holder for 1 pipette

For use with:  
**ErgoOne**® E single or  
multi-channel pipettes **G9999-1009**



### ErgoOne® E Wall Mount for 1 pipette

For use with:  
**ErgoOne**® E single or  
multi-channel pipettes **G9999-1010**



### ErgoOne® E Individual Stand for 1 pipette

For use with:  
**ErgoOne**® E single or  
multi-channel pipettes **G9999-1011**



### ErgoOne® FAST Bench Support for 1 pipette

For use with:  
**ErgoOne**® FAST  
pipette controller **P7166-6306**

Pipettes / pipette controllers are not included.

## MORE INFO

[www.starlab.click/pipettestands](http://www.starlab.click/pipettestands)



# Serological Pipettes.



### Product features

- Accuracy  $\pm 2\%$
- Bidirectional graduations (on pipettes 10 ml and above)
- Negative graduations (excluding 100 ml) allows additional working volume
- Non-cytotoxic and non-haemolytic USP Class VI polystyrene
- Supplied individually wrapped, in paper-plastic peel-back packs printed with lot number and expiry date
- Gamma sterilized to SAL  $10^{-6}$  (ISO11137)
- Certified RNase, DNase, latex and pyrogen free

### Order information

| Description                                                | Pack Size | Article No.       |
|------------------------------------------------------------|-----------|-------------------|
| 1.0 ml Serological Pipette (sterile), individually wrapped | 500       | <b>E4860-0001</b> |
| 2.0 ml Serological Pipette (sterile), individually wrapped | 500       | <b>E4860-0002</b> |
| 5.0 ml Serological Pipette (sterile), individually wrapped | 200       | <b>E4860-0005</b> |
| 10 ml Serological Pipette (sterile), individually wrapped  | 200       | <b>E4860-0010</b> |
| 25 ml Serological Pipette (sterile), individually wrapped  | 150       | <b>E4860-0025</b> |
| 50 ml Serological Pipette (sterile), individually wrapped  | 100       | <b>E4860-0050</b> |
| 100 ml Serological Pipette (sterile), individually wrapped | 50        | <b>E4860-1100</b> |



Serological and Aspiration pipettes are supplied in convenient dispenser packaging.

### Specifications

| Volume | Colour coding | Increments | Extra graduations | Total volume |
|--------|---------------|------------|-------------------|--------------|
| 1.0 ml | Yellow        | 0.01 ml    | 0.3 ml            | 1.3 ml       |
| 2.0 ml | Green         | 0.01 ml    | 0.3 ml            | 2.3 ml       |
| 5.0 ml | Blue          | 0.1 ml     | 3.0 ml            | 8.0 ml       |
| 10 ml  | Orange        | 0.1 ml     | 3.0 ml            | 13 ml        |
| 25 ml  | Red           | 0.2 ml     | 8.0 ml            | 33 ml        |
| 50 ml  | Purple        | 0.5 ml     | 10 ml             | 60 ml        |
| 100 ml | Pink          | 1.0 ml     | n/a               | 100 ml       |

### MORE INFO

[www.starlab.click/serologicalpipettes](http://www.starlab.click/serologicalpipettes)

# Aspiration Pipettes.



### Product features

- Non-cytotoxic and non-haemolytic USP Class VI polystyrene
- Supplied individually wrapped, in paper-plastic peel-back packs printed with lot number and expiry date
- Gamma sterilized to SAL  $10^{-6}$  (ISO11137)
- Certified RNase, DNase, latex and pyrogen free

### Order information

| Description                                                 | Pack Size | Article No.       |
|-------------------------------------------------------------|-----------|-------------------|
| 2.0 ml Aspiration Pipette (sterile), individually wrapped   | 500       | <b>E4861-0002</b> |
| 5.0 ml Aspiration Pipettes (sterile), individually wrapped  | 200       | <b>E4861-0005</b> |
| 10.0 ml Aspiration Pipettes (sterile), individually wrapped | 200       | <b>E4861-0010</b> |

### MORE INFO

[www.starlab.click/aspirationpipettes](http://www.starlab.click/aspirationpipettes)

Polystyrene Pipettes

## NEW! Repeat Dispenser.



Starlab's RepeatOne® S provides fast, repetitive dispensing of volumes between 2.0 µl and 5.0 ml with maximum precision and accuracy. Perfect for routine or research applications in diagnostics, molecular biology, and environmental analysis, the user-friendly operation and sturdy design makes RepeatOne® S the first choice when handling challenging liquids. RepeatOne® S provides high precision dispensing of liquids with high viscosity, high density or high vapor pressure.

### Product features

- Up to 49 dispenses from the same sample
- Fast, easy tip insertion
- Lightweight, with ergonomic finger rest
- Increased chemical resistance through innovative plastic materials
- Conforms to EN ISO 8655 and ASTM E1154 89 (2003)
- Shelf mount included
- PFAs free

### Technical Information

| TipOne® Repeat Tip volumes | Volume range (µl) | A* ≤ ± % stroke setting % of nominal volume |      |       | CV* ≤ % stroke setting % of nominal volume |      |       |
|----------------------------|-------------------|---------------------------------------------|------|-------|--------------------------------------------|------|-------|
|                            |                   | 1 2%                                        | 3 6% | 5 10% | 1 2%                                       | 3 6% | 5 10% |
|                            |                   |                                             |      |       |                                            |      |       |
| 0.1 ml                     | 2 – 10            | 4.0                                         | 2.4  | 1.6   | 6.0                                        | 3.0  | 2.0   |
| 0.5 ml                     | 10 – 50           | 2.5                                         | 1.5  | 1.0   | 2.5                                        | 1.5  | 1.0   |
| 1.0 ml                     | 20 – 100          | 2.5                                         | 1.5  | 1.0   | 2.0                                        | 1.2  | 0.8   |
| 2.5 ml                     | 50 – 250          | 1.8                                         | 1.1  | 0.7   | 1.5                                        | 0.9  | 0.6   |
| 5.0 ml                     | 100 – 500         | 1.8                                         | 1.1  | 0.7   | 1.5                                        | 0.9  | 0.7   |
| 10 ml                      | 200 – 1000        | 1.8                                         | 1.1  | 0.7   | 2.0                                        | 1.2  | 0.8   |
| 25 ml                      | 500 – 2500        | 1.5                                         | 0.9  | 0.6   | 3.0                                        | 1.5  | 1.0   |
| 50 ml                      | 1000 – 5000       | 1.5                                         | 0.8  | 0.5   | 5.0                                        | 1.8  | 1.2   |

\*A = Accuracy, \*CV = Coefficient of Variation

### Volume Table µl

| SETTING | TIP SIZE (ml) |     |     |     |     |      |      |      | STEPS |
|---------|---------------|-----|-----|-----|-----|------|------|------|-------|
|         | 0.1           | 0.5 | 1   | 2.5 | 5   | 10   | 25   | 50   |       |
| 1       | 2             | 10  | 20  | 50  | 100 | 200  | 500  | 1000 | 49    |
| 1.5     | 3             | 15  | 30  | 75  | 150 | 300  | 750  | 1500 | 32    |
| 2       | 4             | 20  | 40  | 100 | 200 | 400  | 1000 | 2000 | 24    |
| 2.5     | 5             | 25  | 50  | 125 | 250 | 500  | 1250 | 2500 | 19    |
| 3       | 6             | 30  | 60  | 150 | 300 | 600  | 1500 | 3000 | 15    |
| 3.5     | 7             | 35  | 70  | 175 | 350 | 700  | 1750 | 3500 | 13    |
| 4       | 8             | 40  | 80  | 200 | 400 | 800  | 2000 | 4000 | 11    |
| 4.5     | 9             | 45  | 90  | 225 | 450 | 900  | 2250 | 4500 | 10    |
| 5       | 10            | 50  | 100 | 250 | 500 | 1000 | 2500 | 5000 | 9     |

### Order information

| Description                                                                                                 | Article No.       |
|-------------------------------------------------------------------------------------------------------------|-------------------|
| RepeatOne® S Dispenser<br>Includes one shelf mount<br>and three TipOne® Repeat Tips<br>(0.1, 1.0 and 10 ml) | <b>G4026-1500</b> |
| Shelf Mount                                                                                                 | <b>G4026-1009</b> |

1-year warranty.

### MORE INFO

[www.starlab.click/repeatdispenser](http://www.starlab.click/repeatdispenser)

# Calibration services.



## PIPETTE SERVICING

|                                                |    |
|------------------------------------------------|----|
| Pipette Service & Calibration Overview.....    | 32 |
| Standard Servicing & Calibration.....          | 34 |
| UKAS Calibration.....                          | 37 |
| Bespoke Service.....                           | 40 |
| UKAS Certification with ErgoOne® pipettes..... | 40 |

|                                |    |
|--------------------------------|----|
| PIPETTE TRAINING SESSIONS..... | 41 |
|--------------------------------|----|

## DEVICE CALIBRATION

|                                           |    |
|-------------------------------------------|----|
| Timer & Stopwatch Calibration.....        | 42 |
| Temperature Device Calibration.....       | 43 |
| Laboratory Balance Calibration Check..... | 43 |

# Pipette Service & Calibration Overview.

## For accuracy to the last drop!

Pipettes are one of the most frequently used instruments in the lab. Their ability to perform as manufactured is directly linked to how well they are maintained and calibrated. Only a well maintained and calibrated pipette can give you the confidence that it's performing to the accuracy and precision it was designed for.

Starlab has a team of fully trained technicians who can service all brands of pipettes:

single and multi-channel, manual and electronic, repeaters, pipette controllers and bottle-top dispensers.

Starlab is a UKAS accredited laboratory (4296), so you can be sure our staff are competent, methods are validated, measurements are metrologically traceable and carried out under strict environmental conditions.

## Using Starlab to calibrate your pipettes helps support your compliance with quality systems such as:

- ISO 9001 Quality Management System
- ISO 13485 Medical Devices — Quality Management Systems
- ISO 15189 Medical Laboratories — Requirements for Quality and Competence
- ISO 17025 General Requirements for the Competence of Testing and Calibration Laboratories
- MHRA and 21 CFR Part 820 Quality System Regulation



## CaliStar – Starlab's own, unique calibration software

CaliStar calibration software incorporates 2D barcoding technology. The 2D barcode is on the calibration label we put onto the pipettes. This enables us to track each pipette from the moment it arrives in our lab or at an on-site clinic, through servicing and calibration, to out the door and beyond. CaliStar not only tracks the service status of all pipettes for our internal use, it also provides the following benefits:

- Builds a service history of every pipette we process, recording the service level carried out, the spare parts used and the calibration results.
- Provides a full Service Report at the end of each on-site clinic, which details all the pipettes serviced, at which level, and any replacement parts fitted.
- Generates pdf certificates for easy storage on your computer. Misplaced a certificate? Provide us with the pipette's serial number and the year of calibration and we can supply you with a copy.
- Electronic signatures which comply with 21 CFR Part 11 used on all certificates.

Approval Signatures on our UKAS certificates use the 4-eyed principle with an approver who is independent to the calibrator, making Starlab the only calibration service provider with such a strict approval process.

CaliStar provides accurate, detailed information so we can provide the service history of an individual pipette, what it is costing to maintain and how it is performing.

Over time, these reports will allow you to identify any pipettes requiring frequent and/or expensive repairs. We can also provide you with a list of pipettes belonging to a lab, group or an institution for your asset management purposes.

## Decontamination!

**IMPORTANT! ALL pipettes for calibration MUST be safe to handle and accompanied by a completed Decontamination Declaration** so we know they are safe for us to work on. The return of your pipette will be delayed if we do not receive this form with your pipette.

Please complete ALL sections of the form. We can not service or calibrate a pipette without a completed and signed declaration. Please also ensure all pipettes are completely dry before packing them up to mail in to our laboratory or before presenting to the technician at an on-site clinic. Please use the UKAS Pipette Decontamination Form if you are using the Mail-In Service for a UKAS Calibration.

Starlab recommends using Chemgene® or Distel® DS to decontaminate your pipettes.

[starlab.click/decontamination](https://starlab.click/decontamination)

[For decontamination forms and guidelines on decontamination procedures](#)

**NOTE:** The decontamination procedure is intended as a guide only. All pipettes must be decontaminated according to your institution's own guidelines and the type of contaminant present.

## Mail-in service.

### Benefits of the mail-in service

Mail-in is available for all levels of servicing: standard, UKAS Calibrations and bespoke servicing.

- Convenient service as and when you need it
- Quick turnaround

### How to mail-in your pipettes, timers & temperature devices

- Book in your pipettes using the online booking form (link below)
- Decontaminate your pipettes, timers and temperature devices
- Complete and sign a Decontamination Declaration. A Purchase Order No. must be included (to reduce any delay)
- Package your items securely to avoid damage during transit, and don't forget to include the completed Decontamination Declaration! Please ensure all items are completely dry before packing for mail-in.
- When your parcel arrives at our lab we will send you a confirmation by email
- Your items will be returned via courier free of charge (min. quantity applies)

### Mail-in contact:

**servicecentre@starlab.co.uk / 01908 283800**

### Need your pipettes back ASAP?

#### Upgrade to a FastTrack mail-in service.

FastTrack 48 guarantees a 48 hour turnaround from the date of receipt. Please note that an additional charge will apply. For 25 or more pipettes requiring this service, please contact us in advance

### ONLINE BOOKING FORM

[starlab.click/mail-in](https://starlab.click/mail-in)

## On-site service.

### Benefits of an on-site service

On-site servicing is available UK-wide, for all levels of servicing: standard, UKAS Calibrations and bespoke servicing. Let us come to you, and minimise the "down-time" for your pipettes. Temperature devices and timers can be calibrated at the same time as we calibrate your pipettes. We can also calibrate your balances on-site.

### How to organise an on-site clinic

- Contact your Starlab Account Manager or the Starlab office to discuss your requirements

### On-site and general contact:

**service@starlab.co.uk / 01908 283800**

Note: Minimum number of pipettes applies. Day rate also available.

### REQUIREMENTS FOR ON-SITE CLINICS

Our technicians will bring along all the necessary equipment for servicing. However, there are some **stringent requirements** that must be adhered to for the room/area where the clinic will take place.

#### The room must:

- Have a stable temperature (17 – 23 °C standard calibrations \ 20 °C (± 3 °C) for UKAS calibrations with no large temperature fluctuations
- Be draught-free. Draughts can cause balance instability (eg. if calibration is performed directly under an air conditioning unit or near a door.)
- Not be a thoroughfare. People continually walking behind or close to the technician can cause balance instability
- Have a stable, vibration-free bench for us to work on. Vibrations cause balance instability
- Have at least 2m of bench space for us to work on (this varies clinic to clinic, depending on numbers etc, we will discuss this prior to the clinic)
- Not be carpeted. Carpet can cause static and balance instability
- Have a solid floor (eg. a mezzanine may not be suitable) as vibrations carry to the bench and cause balance instability

## Excellent customer service

- Replacement parts and servicing guaranteed for six months (T&Cs apply)
- Customised calibration. You choose the specifications, the number of readings per channel and the test points
- Customised invoicing tailored to your institution's requirements, eg. by department, grant code or name
- No hidden costs! We can, if requested, contact your beforehand if any major parts need replacing
- After care service. We are available with help and advice on any pipette, quality or specification questions



# Standard Servicing & Calibration.



## All makes, all models!

- Same price for manual or electronic pipettes
- Calibration on ALL tip cones on multi-channel pipettes
- Quick turnaround time for our mail-in service
- Day rates available for on-site clinics with low pipette numbers

We can service your pipettes on-site at your premises, or you can mail us your pipettes. See page 33 for details on how to organise an on-site clinic or send us your pipettes.

## Service and calibration

|                                                                                                             |         | 1-Star                   | 1-Star Plus               | 2-Star                   | 2-Star Plus               | 3-Star <sup>1)</sup>     | 3-Star Plus <sup>1)</sup> |
|-------------------------------------------------------------------------------------------------------------|---------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|
| Pipette dismantled, cleaned internally, inspected and leak tested                                           |         | ☑                        | ☑                         | ☑                        | ☑                         | ☑                        | ☑                         |
| Worn parts replaced, if necessary <sup>2)</sup>                                                             |         | ☑                        | ☑                         | ☑                        | ☑                         | ☑                        | ☑                         |
| Volumes at which calibration is carried out against manufacturer's, ISO8655 or customer's own specification |         | mid. volume              | mid. volume               | min. & max volumes       | min. & max volumes        | min., mid. & max volumes | min., mid. & max volumes  |
| Number of readings taken to determine accuracy and precision                                                |         | 4 readings <sup>3)</sup> | 10 readings <sup>4)</sup> | 4 readings <sup>3)</sup> | 10 readings <sup>4)</sup> | 4 readings <sup>3)</sup> | 10 readings <sup>4)</sup> |
| If necessary, your pipette will be adjusted to meet the required specification                              |         | ☑                        | ☑                         | ☑                        | ☑                         | ☑                        | ☑                         |
| Calibration sticker, including due date (if defined)                                                        |         | ☑                        | ☑                         | ☑                        | ☑                         | ☑                        | ☑                         |
| Certificate of Calibration detailing the results and any parts fitted                                       |         | ☑                        | ☑                         | ☑                        | ☑                         | ☑                        | ☑                         |
| Ordering information                                                                                        |         |                          |                           |                          |                           |                          |                           |
| Single-channel<br>Repeat dispenser<br>Bottle top dispenser                                                  | On-site | C2111-0000               | C2111-0010                | C2112-0000               | C2112-0010                | C2113-0000               | C2113-0010                |
|                                                                                                             | Mail-in | C2121-0000               | C2121-0010                | C2122-0000               | C2122-0010                | C2123-0000               | C2123-0010                |
| 8-channel                                                                                                   | On-site | C2211-0000               | C2211-0010                | C2212-0000               | C2212-0010                | C2213-0000               | C2213-0010                |
|                                                                                                             | Mail-in | C2221-0000               | C2221-0010                | C2222-0000               | C2222-0010                | C2223-0000               | C2223-0010                |
| 12-channel                                                                                                  | On-site | C2311-0000               | C2311-0010                | C2312-0000               | C2312-0010                | C2313-0000               | C2313-0010                |
|                                                                                                             | Mail-in | C2321-0000               | C2321-0010                | C2322-0000               | C2322-0010                | C2323-0000               | C2323-0010                |
| 16-Channel                                                                                                  | On-site | C2411-0000               | C2411-0010                | C2412-0000               | C2412-0010                | C2413-0000               | C2413-0010                |
|                                                                                                             | Mail-in | C2421-0000               | C2421-0010                | C2422-0000               | C2422-0010                | C2423-0000               | C2423-0010                |
| External Clean <sup>5)</sup><br>Optional                                                                    | On-site | C0000-0055               | C0000-0055                | C0000-0055               | C0000-0055                | C0000-0055               | C0000-0055                |
|                                                                                                             | Mail-in | C0000-M055               | C0000-M055                | C0000-M055               | C0000-M055                | C0000-M055               | C0000-M055                |

<sup>1)</sup> 3-Star conforms to the requirements of ISO8655-7:2022 (for single-channels only).

<sup>2)</sup> Please note, worn parts, if required, will be replaced without contacting you beforehand to the max. value £40 (or amount agreed on your decontamination form).

<sup>3)</sup> On multi-channels, two readings are taken on EVERY channel at the appropriate number of points for the service level.

<sup>4)</sup> On multi-channels, TEN READINGS are taken on EVERY channel at the appropriate number of points for the service level.

<sup>5)</sup> If you would like this optional extra, the Art. No for External Clean must be included on your PO.



## As Found calibration

Provides a check of the current performance of your pipette, enabling you to validate previous work performed using the pipette. No adjustment or servicing is performed; this is purely a statement of how the pipette is performing.

|                                                                                                              |         | 1-Star                   | 1-Star Plus               | 2-Star                   | 2-Star Plus               | 3-Star <sup>1)</sup>     | 3-Star Plus <sup>1)</sup> |
|--------------------------------------------------------------------------------------------------------------|---------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|
| Volumes at which calibration is carried out against manufacturer's, ISO8655 or customer's own specification  |         | mid. volume              | mid. volume               | min. & max volumes       | min. & max volumes        | min., mid. & max volumes | min., mid. & max volumes  |
| Number of readings taken to determine accuracy and precision                                                 |         | 4 readings <sup>2)</sup> | 10 readings <sup>3)</sup> | 4 readings <sup>2)</sup> | 10 readings <sup>3)</sup> | 4 readings <sup>2)</sup> | 10 readings <sup>3)</sup> |
| Calibration sticker, including due date (if defined)                                                         |         | ☑                        | ☑                         | ☑                        | ☑                         | ☑                        | ☑                         |
| Certificate of Calibration provided for each pipette, showing pass or fail based on the target specification |         | ☑                        | ☑                         | ☑                        | ☑                         | ☑                        | ☑                         |
| Ordering information                                                                                         |         |                          |                           |                          |                           |                          |                           |
| Single-channel<br>Repeat dispenser<br>Bottle top dispenser                                                   | On-site | C1111-1000               | C1111-1010                | C1112-1000               | C1112-1010                | C1113-1000               | C1113-1010                |
|                                                                                                              | Mail-in | C1121-1000               | C1121-1010                | C1122-1000               | C1122-1010                | C1123-1000               | C1123-1010                |
| 8-channel                                                                                                    | On-site | C1211-1000               | C1211-1010                | C1212-1000               | C1212-1010                | C1213-1000               | C1213-1010                |
|                                                                                                              | Mail-in | C1221-1000               | C1221-1010                | C1222-1000               | C1222-1010                | C1223-1000               | C1223-1010                |
| 12-channel                                                                                                   | On-site | C1311-1000               | C1311-1010                | C1312-1000               | C1312-1010                | C1313-1000               | C1313-1010                |
|                                                                                                              | Mail-in | C1321-1000               | C1321-1010                | C1322-1000               | C1322-1010                | C1323-1000               | C1323-1010                |
| 16-Channel                                                                                                   | On-site | C1411-1000               | C1411-1010                | C1412-1000               | C1412-1010                | C1413-1000               | C1413-1010                |
|                                                                                                              | Mail-in | C1421-1000               | C1421-1010                | C1422-1000               | C1422-1010                | C1423-1000               | C1423-1010                |

<sup>1)</sup> 3-Star conforms to the requirements of ISO8655-7:2022 (for single-channels only).  
<sup>2)</sup> 2) On multi-channels, two readings are taken on EVERY channel at the appropriate number of points for the service level.  
<sup>3)</sup> 3) On multi-channels, TEN READINGS are taken on EVERY channel at the appropriate number of points for the service level.

## Pre and post calibration

Comprises an As Found calibration followed by a Service and Calibration. See page 36.

## Pipette controller servicing

| Servicing                                                                                  |                                     |            |
|--------------------------------------------------------------------------------------------|-------------------------------------|------------|
| Pipette controller inspected                                                               | <input checked="" type="checkbox"/> |            |
| Leak tested                                                                                | <input checked="" type="checkbox"/> |            |
| Worn parts are replaced, if necessary                                                      | <input checked="" type="checkbox"/> |            |
| Pipette externally cleaned                                                                 | <input checked="" type="checkbox"/> |            |
| Certificate of Confirmation that the controller has been serviced, tested and is leak-free | <input checked="" type="checkbox"/> |            |
| Ordering information                                                                       |                                     |            |
| Pipette Controller                                                                         | On-site                             | C0010-0000 |
|                                                                                            | Mail-in                             | C0020-0000 |



# Standard Servicing & Calibration.

## Pre & post calibration

|                                                                                                              |         | 1-Star                   | 1-Star Plus               | 2-Star                   | 2-Star Plus               | 3-Star <sup>1)</sup>     | 3-Star Plus <sup>1)</sup> |
|--------------------------------------------------------------------------------------------------------------|---------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|
| <b>AS FOUND CALIBRATION</b>                                                                                  |         |                          |                           |                          |                           |                          |                           |
| Volumes at which calibration is carried out against manufacturer's, ISO8655 or customer's own specification  |         | mid. volume              | mid. volume               | min. & max volumes       | min. & max volumes        | min., mid. & max volumes | min., mid. & max volumes  |
| Number of readings taken to determine accuracy and precision                                                 |         | 4 readings <sup>2)</sup> | 10 readings <sup>3)</sup> | 4 readings <sup>2)</sup> | 10 readings <sup>3)</sup> | 4 readings <sup>2)</sup> | 10 readings <sup>3)</sup> |
| Certificate of Calibration provided for each pipette, showing pass or fail based on the target specification |         | ☑                        | ☑                         | ☑                        | ☑                         | ☑                        | ☑                         |
| <b>SERVICE</b>                                                                                               |         |                          |                           |                          |                           |                          |                           |
| Pipette dismantled, cleaned internally, inspected and leak tested                                            |         | ☑                        | ☑                         | ☑                        | ☑                         | ☑                        | ☑                         |
| Worn parts replaced, if necessary <sup>4)</sup>                                                              |         | ☑                        | ☑                         | ☑                        | ☑                         | ☑                        | ☑                         |
| <b>AS LEFT CALIBRATION</b>                                                                                   |         |                          |                           |                          |                           |                          |                           |
| Volumes at which calibration is carried out against manufacturer's, ISO8655 or customer's own specification  |         | mid. volume              | mid. volume               | min. & max volumes       | min. & max volumes        | min., mid. & max volumes | min., mid. & max volumes  |
| Number of readings taken at specified points to determine accuracy and precision                             |         | 4 readings <sup>2)</sup> | 10 readings <sup>3)</sup> | 4 readings <sup>2)</sup> | 10 readings <sup>3)</sup> | 4 readings <sup>2)</sup> | 10 readings <sup>3)</sup> |
| If necessary, your pipette will be adjusted to meet the required specification                               |         | ☑                        | ☑                         | ☑                        | ☑                         | ☑                        | ☑                         |
| Calibration sticker, including due date (if defined)                                                         |         | ☑                        | ☑                         | ☑                        | ☑                         | ☑                        | ☑                         |
| Certificate of Calibration detailing the results and any parts fitted                                        |         | ☑                        | ☑                         | ☑                        | ☑                         | ☑                        | ☑                         |
| <b>Ordering information</b>                                                                                  |         |                          |                           |                          |                           |                          |                           |
| <b>Single-channel<br/>Repeat dispenser<br/>Bottle top dispenser</b>                                          | On-site | C2111-1000               | C2111-1010                | C2112-2000               | C2112-2010                | C2113-3000               | C2113-3010                |
|                                                                                                              | Mail-in | C2121-1000               | C2121-1010                | C2122-2000               | C2122-2010                | C2123-3000               | C2123-3010                |
| <b>8-channel</b>                                                                                             | On-site | C2211-1000               | C2211-1010                | C2212-2000               | C2212-2010                | C2213-3000               | C2213-3010                |
|                                                                                                              | Mail-in | C2221-1000               | C2221-1010                | C2222-2000               | C2222-2010                | C2223-3000               | C2223-3010                |
| <b>12-channel</b>                                                                                            | On-site | C2311-1000               | C2311-1010                | C2312-2000               | C2312-2010                | C2313-3000               | C2313-3010                |
|                                                                                                              | Mail-in | C2321-1000               | C2321-1010                | C2322-2000               | C2322-2010                | C2323-3000               | C2323-3010                |
| <b>16-Channel</b>                                                                                            | On-site | C2411-1000               | C2411-1010                | C2412-2000               | C2412-2010                | C2413-3000               | C2413-3010                |
|                                                                                                              | Mail-in | C2421-1000               | C2421-1010                | C2422-2000               | C2422-2010                | C2423-3000               | C2423-3010                |
| <b>External Clean <sup>5)</sup><br/>Optional</b>                                                             | On-site | C0000-0055               | C0000-0055                | C0000-0055               | C0000-0055                | C0000-0055               | C0000-0055                |
|                                                                                                              | Mail-in | C0000-M055               | C0000-M055                | C0000-M055               | C0000-M055                | C0000-M055               | C0000-M055                |

<sup>1)</sup> 3-Star conforms to the requirements of ISO8655-7:2022 (for single-channels only).

<sup>2)</sup> On multi-channels, TWO READINGS are taken on EVERY channel at the appropriate number of points for the service level.

<sup>3)</sup> On multi-channels, TEN READINGS are taken on EVERY channel at the appropriate number of points for the service level.

<sup>4)</sup> Please note, worn parts, if required, will be replaced without contacting you beforehand to the max. value £40 (or amount agreed on your decontamination form).

<sup>5)</sup> If you would like this optional extra, the Art. No for External Clean must be included on your PO.

# UKAS Calibration.



As a UKAS accredited laboratory (4296) you can be sure that our staff are competent and fully-trained, that our instruments are calibrated and properly maintained, and our servicing is carried out in the correct conditions. For UKAS calibrations we use certified 5-place, 6-place and SpeedCal multi-channel balances. UKAS is an internationally recognised accreditation body and UKAS accreditation ensure full metrological traceability of data.



**Approval Signatures** on our UKAS certificates use the 4-eyed principle with an approver who is independent to the calibrator, making Starlab the only calibration service provider with such a strict approval process.

We can service your pipettes on-site at your premises, or you can mail us your pipettes. See page 33 for details on how to organise an on-site clinic or send us your pipettes.

## As Found UKAS calibration

Provides a check of the current performance of your pipette, enabling you to validate previous work performed using the pipette. No adjustment or servicing is performed and an separate As Found calibration certificate is provided.

|                                                                                                                                           |         | 10 Readings<br>3 Volumes | 10 Readings<br>2 Volumes | 10 Readings<br>1 Volume | 5 Readings<br>3 Volumes <sup>1)</sup> | 5 Readings<br>2 Volumes <sup>1)</sup> | 5 Readings<br>1 Volume <sup>1)</sup> |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------|--------------------------|-------------------------|---------------------------------------|---------------------------------------|--------------------------------------|
| Volumes at which your pipette will be checked against requested specification (manufacturer's, ISO8655 or your own)                       |         | min., mid. & max volumes | min. & max. volumes      | fixed volume            | min., mid. & max volumes              | min. & max. volumes                   | fixed volume                         |
| Number of readings taken at each volume to determine accuracy and precision                                                               |         | 10 readings              | 10 readings              | 10 readings             | 5 readings                            | 5 readings                            | 5 readings                           |
| Calibration sticker, including due date (if defined)                                                                                      |         | ✓                        | ✓                        | ✓                       | ✓                                     | ✓                                     | ✓                                    |
| Certificate of Calibration for each pipette                                                                                               |         | ✓                        | ✓                        | ✓                       | ✓                                     | ✓                                     | ✓                                    |
| If your pipette is not within the target specification, we can perform a Service & As Returned UKAS Calibration (if requested beforehand) |         | ✓                        | ✓                        | ✓                       | ✓                                     | ✓                                     | ✓                                    |
| Ordering information                                                                                                                      |         |                          |                          |                         |                                       |                                       |                                      |
| Single-channel<br>Repeat dispenser                                                                                                        | On-site | C8137-0000               | C8130-0000               | C8129-0000              | C8139-0000                            | C8439-0000                            | C8739-0500                           |
|                                                                                                                                           | Mail-in | C8137-M000               | C8130-M000               | C8129-M000              | C8139-M000                            | C8439-M000                            | C8739-M500                           |
| 8-channel                                                                                                                                 | On-site | C8237-0000               | C8230-0000               | n/a                     | C8239-0000                            | C8539-0000                            | n/a                                  |
|                                                                                                                                           | Mail-in | C8237-M000               | C8230-M000               | n/a                     | C8239-M000                            | C8539-M000                            | n/a                                  |
| 12-channel                                                                                                                                | On-site | C8337-0000               | C8330-0000               | n/a                     | C8339-0000                            | C8639-0000                            | n/a                                  |
|                                                                                                                                           | Mail-in | C8337-M000               | C8330-M000               | n/a                     | C8339-M000                            | C8639-M000                            | n/a                                  |

<sup>1)</sup> **IMPORTANT:** By selecting 5 readings per volume it is with the understanding that it will NOT permit a conclusion on conformity with ISO8655.



# UKAS Calibration.

## Service and UKAS calibration

Pipette Servicing

|                                                                                                                     |         | 10 Readings<br>3 Volumes | 10 Readings<br>2 Volumes | 10 Readings<br>1 Volume | 5 Readings<br>3 Volumes <sup>1)</sup> | 5 Readings<br>2 Volumes <sup>1)</sup> | 5 Readings<br>1 Volume <sup>1)</sup> |
|---------------------------------------------------------------------------------------------------------------------|---------|--------------------------|--------------------------|-------------------------|---------------------------------------|---------------------------------------|--------------------------------------|
| Pipette dismantled, cleaned internally, inspected and leak tested                                                   |         | ✓                        | ✓                        | ✓                       | ✓                                     | ✓                                     | ✓                                    |
| Worn parts replaced, if necessary <sup>2)</sup>                                                                     |         | ✓                        | ✓                        | ✓                       | ✓                                     | ✓                                     | ✓                                    |
| Outside of pipette cleaned                                                                                          |         | ✓                        | ✓                        | ✓                       | ✓                                     | ✓                                     | ✓                                    |
| Volumes at which your pipette will be checked against requested specification (manufacturer's, ISO8655 or your own) |         | min., mid. & max volumes | min. & max. volumes      | fixed volume            | min., mid. & max volumes              | min. & max. volumes                   | fixed volume                         |
| Number of readings taken at each volume to determine accuracy and precision                                         |         | 10 readings              | 10 readings              | 10 readings             | 5 readings                            | 5 readings                            | 5 readings                           |
| If necessary, your pipette will be adjusted to meet the required specification                                      |         | ✓                        | ✓                        | ✓                       | ✓                                     | ✓                                     | ✓                                    |
| Calibration sticker, including due date (if defined)                                                                |         | ✓                        | ✓                        | ✓                       | ✓                                     | ✓                                     | ✓                                    |
| Certificate of Calibration for each pipette, showing the results and any spare parts fitted                         |         | ✓                        | ✓                        | ✓                       | ✓                                     | ✓                                     | ✓                                    |
| Ordering information                                                                                                |         |                          |                          |                         |                                       |                                       |                                      |
| Single-channel<br>Repeat dispenser                                                                                  | On-site | C8134-0000               | C8131-0000               | C8738-0100              | C8138-0000                            | C8438-0000                            | C8738-0500                           |
|                                                                                                                     | Mail-in | C8134-M000               | C8131-M000               | C8738-M100              | C8138-M000                            | C8438-M000                            | C8738-M500                           |
| 8-channel                                                                                                           | On-site | C8234-0000               | C8231-0000               | n/a                     | C8238-0000                            | C8538-0000                            | n/a                                  |
|                                                                                                                     | Mail-in | C8234-M000               | C8231-M000               |                         | C8238-M000                            | C8538-M000                            |                                      |
| 12-channel                                                                                                          | On-site | C8334-0000               | C8331-0000               | n/a                     | C8338-0000                            | C8638-0000                            | n/a                                  |
|                                                                                                                     | Mail-in | C8334-M000               | C8331-M000               |                         | C8338-M000                            | C8638-M000                            |                                      |

<sup>1)</sup> **IMPORTANT:** By selecting 5 readings per volume it is with the understanding that it will NOT permit a conclusion on conformity with ISO8655.

<sup>2)</sup> Please note, worn parts, if required, will be replaced without contacting you beforehand to the max. value £40 (or amount agreed on your decontamination form).



## UKAS pre & post calibration

Comprises an As Found calibration followed by a Service and a UKAS calibration:

|                                                                                                                        |         | 10 Readings,<br>at 3 Volumes        | 10 Readings<br>at 2 Volumes         | 10 Readings<br>at 1 Volume          | 5 Readings<br>at 3 Volumes <sup>1)</sup> | 5 Readings<br>at 2 Volumes <sup>1)</sup> | 5 Readings<br>at 1 Volume <sup>1)</sup> |
|------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------------|------------------------------------------|-----------------------------------------|
| <b>AS FOUND CALIBRATION</b>                                                                                            |         |                                     |                                     |                                     |                                          |                                          |                                         |
| Volume at which your pipette will be checked against the requested specification (manufacturer's, ISO8655 or your own) |         | min., mid. & max volumes            | min. & max. volumes                 | fixed volume                        | min., mid. & max volumes                 | min. & max. volumes                      | fixed volume                            |
| Number of readings taken at each volume to determine accuracy and precision                                            |         | 10 readings                         | 10 readings                         | 10 readings                         | 5 readings                               | 5 readings                               | 5 readings                              |
| Certificate of As Found Calibration for each pipette                                                                   |         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>      | <input checked="" type="checkbox"/>      | <input checked="" type="checkbox"/>     |
| <b>SERVICE</b>                                                                                                         |         |                                     |                                     |                                     |                                          |                                          |                                         |
| Pipette dismantled, cleaned internally, inspected and leak tested                                                      |         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>      | <input checked="" type="checkbox"/>      | <input checked="" type="checkbox"/>     |
| Worn parts replaced, if necessary <sup>2)</sup>                                                                        |         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>      | <input checked="" type="checkbox"/>      | <input checked="" type="checkbox"/>     |
| Outside of pipette cleaned                                                                                             |         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>      | <input checked="" type="checkbox"/>      | <input checked="" type="checkbox"/>     |
| <b>AS LEFT CALIBRATION</b>                                                                                             |         |                                     |                                     |                                     |                                          |                                          |                                         |
| Volume at which your pipette will be checked against the requested specification (manufacturer's, ISO8655 or your own) |         | min., mid. & max volumes            | min. & max. volumes                 | fixed volume                        | min., mid. & max volumes                 | min. & max. volumes                      | fixed volume                            |
| Number of readings taken at each volume to determine accuracy and precision                                            |         | 10 readings                         | 10 readings                         | 10 readings                         | 5 readings                               | 5 readings                               | 5 readings                              |
| If necessary, your pipette will be adjusted to meet the required specification                                         |         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>      | <input checked="" type="checkbox"/>      | <input checked="" type="checkbox"/>     |
| Calibration sticker, including due date (if defined)                                                                   |         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>      | <input checked="" type="checkbox"/>      | <input checked="" type="checkbox"/>     |
| Certificate of Calibration for each pipette, showing the results and any spare parts fitted                            |         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>      | <input checked="" type="checkbox"/>      | <input checked="" type="checkbox"/>     |
| <b>Ordering information</b>                                                                                            |         |                                     |                                     |                                     |                                          |                                          |                                         |
| <b>Single-channel<br/>Repeat dispenser</b>                                                                             | On-site | C8135-0000                          | C8132-0000                          | C8736-0100                          | C8136-0000                               | C8436-0000                               | C8736-0500                              |
|                                                                                                                        | Mail-in | C8135-M000                          | C8132-M000                          | C8736-M100                          | C8136-M000                               | C8436-M000                               | C8736-M500                              |
| <b>8-channel</b>                                                                                                       | On-site | C8235-0000                          | C8232-0000                          | n/a                                 | C8236-0000                               | C8536-0000                               | n/a                                     |
|                                                                                                                        | Mail-in | C8235-M000                          | C8232-M000                          |                                     | C8236-M000                               | C8536-M000                               |                                         |
| <b>12-channel</b>                                                                                                      | On-site | C8335-0000                          | C8332-0000                          | n/a                                 | C8336-0000                               | C8636-0000                               | n/a                                     |
|                                                                                                                        | Mail-in | C8335-M000                          | C8332-M000                          |                                     | C8336-M000                               | C8636-M000                               |                                         |

<sup>1)</sup>**IMPORTANT:** By selecting 5 readings per volume it is with the understanding that it will NOT permit a conclusion on conformity with ISO8655-6:2022 as the minimum requirement for conformity is 10 readings.

<sup>2)</sup>Please note, worn parts, if required, will be replaced without contacting you beforehand to the max. value £40 (or amount agreed on your decontamination form).

## Bespoke Service.

If our standard servicing levels not what you want, it's no problem! We can service and calibrate pipettes to your exact requirements.

The only thing to note is that if you wish to conform to one of the ISO8655 parts then the options are limited as these have specific requirements. For example, to conform:

**ISO8655-6** requires 10 readings at 3 volumes

**ISO8655-7** requires 4 readings at 3 volumes

However, if conformity to ISO8655 is not required, then you can choose the number of readings per volume and the number of volumes you need.

Our bespoke Calistar software enables us to adapt, so if your procedures say 6 readings at 2 volumes, we can meet this requirement.

We also have the ability to adapt the specification and calibrate to the manufacturer's, to ISO8655 or to requirements specific to your institution. Just let us know exactly what you need, and we can provide a competitive quote. There are both positives and negatives associated with the selection of specification so below we provide some points to consider to consider. If you wish to discuss your requirements, please contact your Account Manager.

| Manufacturer's specs                                                                             | ISO8655                                                                         | Your own specs                                                                                             |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> The tightest specification available                         | <input checked="" type="checkbox"/> Consistent irrespective of manufacturer     | <input checked="" type="checkbox"/> Meets your specific requirements                                       |
| <input checked="" type="checkbox"/> Possible increase in number of As Found calibration failures | <input checked="" type="checkbox"/> Wide specification at the lower range       | <input checked="" type="checkbox"/> May require some kind of validation or justification to determine spec |
| <input checked="" type="checkbox"/> Differs from manufacturer to manufacture                     | <input checked="" type="checkbox"/> Very wide specifications for multi-channels | <input checked="" type="checkbox"/> Cannot be tighter than the manufacturer's                              |

## UKAS Certification with ErgoOne® Pipettes.

### Do you need your new pipette supplied with UKAS Certification?

We can supply your brand new ErgoOne® or ErgoOne® E pipettes with a UKAS Certificate of Calibration. Simply order the calibration at the same time as ordering your new pipette by using the appropriate code below for the type of pipette you're ordering. STARLAB will perform a **10.3 As Found UKAS Calibration** on the pipette prior to shipping, and enclose the Calibration Certificate with your pipette.



#### 3.10 UKAS Calibration on Purchased Pipette

| Description                                                | Article No.       |
|------------------------------------------------------------|-------------------|
| 10.3 As Found UKAS Calibration on Purchased Single-Channel | <b>C8134-1001</b> |
| 10.3 As Found UKAS Calibration on Purchased 8-Channel      | <b>C8234-1001</b> |
| 10.3 As Found UKAS Calibration on Purchased 12-Channel     | <b>C8334-1001</b> |

NOTE: By selecting one of the above UKAS part numbers you are agreeing to a **10 Readings, 3 Volumes Calibration** to manufacturer's specifications with the exception of multi-channels with volumes less than 10 µl, which will be in accordance with ISO 8655 permissible errors.



# Pipette Training Sessions.



Each course includes in-depth training, course handouts, and a practical pipetting session

## Why is training important?

Quality systems such as ISO9001, ISO15189 and ISO13485 have requirements for qualifications, training and competence. This is particularly important with pipettes because the pipetting technique used, as well as their handling, storage and maintenance, can have a major impact on the continued accuracy and precision of the pipette.

## Benefits of attending a course

- Courses held at your own premises at a convenient time for you. No travelling required!
- Developed by liquid handling specialists who are experts in the field
- Find confidence that your daily work is providing accurate results from developing a deeper understanding of pipetting
- Gain a better understanding of specifications and intervals of calibration

## CPD accredited

Gain your CPD points with Starlab training.

Both training levels provide CPD points to help you keep track of your learning progression from year to year. Starlab training sessions help you with your Continuing Professional Development obligation to professional body or organisation.

For more info on CPD points:

[cpduk.co.uk](http://cpduk.co.uk)

## Pipetting Masterclass

Ideal for lab technicians, scientific officers and laboratory managers. Max. 10 people per session:

- Good pipetting techniques
- Functionality of a pipette
- Forward and reverse pipetting
- Physical influences on dispensed volume
- Pipette ergonomics and general Physio Care concepts including RSi
- Cleaning and inspection of pipettes
- Common pipette fault-finding issues
- Demonstration of the effects that bad pipetting techniques can have on assays and results
- Basic performance / calibration check of a pipette
- Understanding the equipment needed for accurate calibration checks
- Understanding the terms 'Accuracy', 'Precision' and 'Uncertainty' so you can interpret the results of a calibration certificate
- Practical. To support the key learning objectives

3 CBD Points.

Article No: C0001-2000

## Calibration for Conformity

Designed for lab technicians, lab managers and quality personnel. Max. 10 people per session:

- Overview of the fundamentals of dispensing
- Why calibrate?
- What calibration is
- Performance / calibration check of pipettes
- Specifications: Manufacturer's v ISO 8655 v internal SOP's
- Calibration intervals
- ISO 17025 – UKAS
- ISO 15189 – Medical Labs (UKAS / CPA)
- Calibration traceability
- Expressions of uncertainty
- Assessment of risk and audit readiness
- Conformity statements and decision rules

3 CBD Points.

Article No: C0001-3000

## Bespoke Training Sessions

We understand that training needs may vary for each lab, that's why we offer bespoke training sessions.

Our training sessions can be tailored to meet your specific requirements to focus on what matters most to you. Contact us to discuss your requirement and be confident that your team will receive the training they need.

## How to book your training session

Contact your Account Manager or Service Coordinator to discuss your requirements and book a convenient date.  
[service@starlab.co.uk](mailto:service@starlab.co.uk) / 01908 283800

# Timer & Stopwatch Calibration.



## Ensure your timer is not running late!

Timing is essential in all your daily timing experimental protocols. It's important then to ensure you use a calibrated tool that's always on time and never runs late.

## Mail-In!

You can mail-in your Timers and Stopwatches to be calibrated to traceable standards that will support your quality and regulatory requirements such as GxP and ISO.

### Mail-in calibration

| Description                       | Article No.       |
|-----------------------------------|-------------------|
| Calibration for Timer / Stopwatch | <b>C0003-0000</b> |

**Mail-in exclusive.** However, we do also calibrate Timers and Stopwatches on-site at the same time as we calibrate your pipettes at an on-site clinic; just let us know you have timers when booking the clinic.

N9900-0001



## Timing is everything

Timer/Clock with a large easy to read LED display which has four channels on which cycles can be independently or simultaneously set.

Toggle between your pre-set channels and the clock to keep on top of your experiments, or to check when it's lunchtime!

### Four Channel Timer / Clock

| Description                | Article No.       |
|----------------------------|-------------------|
| Four Channel Timer / Clock | <b>N9900-0001</b> |

NOTE: Timer is not calibrated.

## Want to purchase a pre-calibrated timer?

To purchase one of our timers already pre-calibrated, the Calibration (**Art. No. C0003-0000**) and the Timer (**Art. No. N9900-0001**) must be ordered on the same Purchase Order.

We will then know to calibrate your brand new Timer prior to shipping. A Certificate of Calibration will be included with delivery.



## Temperature Device Calibration.



### Mail-in service

Temperature can be a critical factor affecting your work in your lab. If you have to measure temperature using a temperature probe, be it a PRT or Thermocouple, then you would typically require the device to be calibrated.

Starlab offers the following levels of calibration:

- A single-point calibration
- A 3-point calibration
- Bespoke multi-point calibrations, up to as many points as you require

### Temperature range of -45 °C to 140 °C<sup>(1)</sup>

Starlab uses an ISOTECH Dry Block and Liquid Bath which has a stability of  $\pm 0.01$  °C in conjunction with an ISOTECH milliK Precision Thermometer with accuracies  $< \pm 7$ ppm (0.07mK) for PRTs,  $\pm 0.14$  °C for Thermocouples

<sup>(1)</sup> In ambient of 20 °C: Minimum Temperature is 55 °C Below Ambient, Absolute Minimum -45 °C

To organise temperature device calibration speak to your Account Manager or contact [service@starlab.co.uk](mailto:service@starlab.co.uk) / 01908 283800 to talk about your requirements.

## Laboratory Balance Calibration Check.

Starlab offers on-site calibration of laboratory balances up to a maximum capacity of 10 kg.

Our metrologically traceable calibrations will enable you to comply with:

- General requirements of ISO17025
- ISO15189
- ISO13485

An **As Found Calibration Check\*** can be performed over the entire range of the balance (max. capacity 10 kg) or to a range specified by you.

Each calibration will consist of:

- A repeatability, linearity and eccentricity check
- A calculation of the measurement uncertainty
- A 5-point or 10-point check for each range of the balance
- Certificate of Calibration (pdf) for each balance

\* If As Found Calibration check results in the balance being out of specification, the unit will have to be referred back to the manufacturer.



### Balance Calibration Check

| Description                     | Article No. |
|---------------------------------|-------------|
| On-Site: 5 Point Balance Check  | C0002-0500  |
| On-Site: 10 Point Balance Check | C0002-1000  |

Calibrations can be performed over the entire range of the balance (max. capacity 10 kg) or to a range specified by you.



**Notes.**

# Consumables.



## TUBES

|                                       |    |
|---------------------------------------|----|
| TubeOne® Microcentrifuge Tubes .....  | 46 |
| Microcentrifuge Tubes .....           | 47 |
| Microcentrifuge Tube Accessorie. .... | 47 |
| Cryogenic Vials .....                 | 49 |
| Screw Cap Microtubes.....             | 50 |
| 5.0 ml Centrifuge Tubes .....         | 52 |
| 15/50 ml Centrifuge Tubes .....       | 54 |
| Microtubes in Rack .....              | 55 |
| Tubes & Containers .....              | 56 |

## PLATES

|                                 |    |
|---------------------------------|----|
| PlateOne® Microplates. ....     | 58 |
| PlateOne® Deepwell Plates. .... | 59 |
| 96-Well Deepwell Plates. ....   | 61 |
| 48-Well Deepwell Plates. ....   | 61 |
| 384-Well Deepwell Plates.....   | 62 |
| Polystyrene Assay Plates.....   | 62 |

## PLATE SEALING

|                                |    |
|--------------------------------|----|
| Sealing Accessories.....       | 63 |
| Self-Adhesive Plate Seals..... | 63 |

## REAGENT RESERVOIRS. .... 64

## LOOPS & SPREADERS ..... 65

## PASTEUR PIPETTES ..... 66

## LABELLING

|                                         |    |
|-----------------------------------------|----|
| Laboratory Labels. ....                 | 70 |
| Laboratory ID Tape. ....                | 71 |
| Brady® M210-LAB Label Printer. ....     | 72 |
| Brady® M210-LAB Printer Cartridges..... | 73 |

# TubeOne® Microcentrifuge Tubes.



## TubeOne® microcentrifuge tubes.

- Conservatively rated to 20,000 x g, but will perform to higher specification under optimal conditions
- Supplied in resealable bags
- Save on autoclaving with the convenient mini-packs
- Temperature range: -80°C to 121°C
- Autoclavable
- Certified RNase, DNase, DNA and Pyrogen free

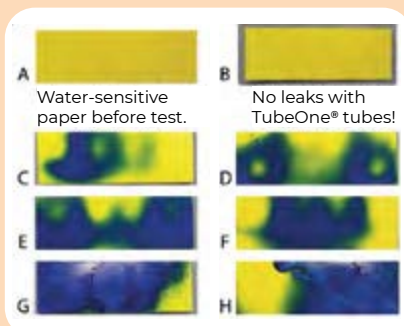
### TubeOne® Microcentrifuge Tubes

| Description                                    | Colour              | Pack Size  | Article No.         |
|------------------------------------------------|---------------------|------------|---------------------|
| <b>0.5 ml Tubes</b>                            |                     |            |                     |
| 0.5 ml TubeOne® Microcentrifuge Tube           | Natural             | 5 x 200    | <b>S1605-0000</b>   |
| 0.5 ml TubeOne® Microcentrifuge Tube           | Natural             | 30 x 5x200 | <b>S1605-0000-C</b> |
| 0.5 ml TubeOne® Microcentrifuge Tube           | Mixed <sup>1)</sup> | 5 x 200    | <b>S1605-0099</b>   |
| <b>1.5 ml Tubes</b>                            |                     |            |                     |
| 1.5 ml TubeOne® Microcentrifuge Tube           | Natural             | 500        | <b>S1615-5500</b>   |
| 1.5 ml TubeOne® Microcentrifuge Tube           | Natural             | 36 x 500   | <b>S1615-5500-C</b> |
| 1.5 ml TubeOne® Microcentrifuge Tube           | Natural             | 5 x 100    | <b>S1615-5550</b>   |
| 1.5 ml TubeOne® Microcentrifuge Tube           | Natural             | 30 x 500   | <b>S1615-5550-C</b> |
| 1.5 ml TubeOne® Microcentrifuge Tube (Sterile) | Natural             | 5 x 100    | <b>S1615-5510</b>   |
| 1.5 ml TubeOne® Microcentrifuge Tube (Sterile) | Natural             | 4 x 500    | <b>S1615-5510-C</b> |
| 1.5 ml TubeOne® Microcentrifuge Tube           | Mixed <sup>1)</sup> | 5 x 100    | <b>S1615-5599</b>   |
| <b>2.0 ml Tubes</b>                            |                     |            |                     |
| 2.0 ml TubeOne® Microcentrifuge Tube           | Natural             | 500        | <b>S1620-2700</b>   |
| 2.0 ml TubeOne® Microcentrifuge Tube           | Natural             | 30 x 500   | <b>S1620-2700-C</b> |
| 2.0 ml TubeOne® Microcentrifuge Tube           | Mixed <sup>1)</sup> | 5 x 100    | <b>S1620-2799</b>   |

<sup>1)</sup> Mixed packs contain following colour tubes: blue, green, red, violet and yellow.

## MORE INFO

[www.starlab.click/tubeone](http://www.starlab.click/tubeone)



## The leak test!

Does your microcentrifuge tube maintain a seal while heating?

Although a tube may remain closed, evaporation can occur when a seal is incomplete. **TubeOne® passes the test with no leaks!**

**Method:** Water sensitive paper has a special-coated yellow surface that turns blue when exposed to moisture. This indicating paper (A) was placed across the top of TubeOne® (B) and other brands of tube (C to H), all containing 1.0 ml of 50% ethanol. All tubes were incubated at 95 °C for 15 minutes in a dry bath with a tightly closed lid. Tubes C-H showed varying levels of failure.



# Microcentrifuge Tubes.

## Ultra clear, high speed tubes



- Solidly constructed for high speed centrifugation to max. 35,000 xg (tubes not routinely tested at this force).
- Non-reactive, does not contain silicone.
- Firm and positive cap closure
- Suitable for boiling
- Autoclavable
- Certified RNase, DNase & DNA free. Tested Endotoxin free.
- Sterile product is Certified RNase, DNase, DNA and Endotoxin free.

### Ultra Clear, High Speed Microcentrifuge Tubes

| Description                                       | Colour <sup>1)</sup>  | Pack Size | Article No.       |
|---------------------------------------------------|-----------------------|-----------|-------------------|
| <b>0.5 ml Tubes</b>                               |                       |           |                   |
| 0.5 ml Homopolymer Microcentrifuge Tube           | Natural               | 1000      | <b>I1405-1500</b> |
| 0.5 ml Homopolymer Microcentrifuge Tube           | Various <sup>1)</sup> | 1000      | <b>I1405-150#</b> |
| 0.5 ml Homopolymer Microcentrifuge Tube           | Mixed <sup>2)</sup>   | 1000      | <b>I1405-1508</b> |
| 0.5 ml Homopolymer Microcentrifuge Tube (Sterile) | Natural               | 500       | <b>E1405-0010</b> |
| <b>1.5 ml Tubes</b>                               |                       |           |                   |
| 1.5 ml Homopolymer Microcentrifuge Tube           | Natural               | 500       | <b>I1415-1000</b> |
| 1.5 ml Homopolymer Microcentrifuge Tube           | Various <sup>3)</sup> | 500       | <b>I1415-100#</b> |
| 1.5 ml Homopolymer Microcentrifuge Tube           | Mixed <sup>3)</sup>   | 500       | <b>I1415-1008</b> |
| 1.5 ml Homopolymer Microcentrifuge Tube, No Cap   | Natural               | 500       | <b>E1415-2850</b> |
| 1.5 ml Homopolymer Microcentrifuge Tube (Sterile) | Natural               | 250       | <b>E1415-5510</b> |
| <b>2.0 ml Tubes</b>                               |                       |           |                   |
| 2.0 ml Homopolymer Microcentrifuge Tube           | Natural               | 500       | <b>I1420-2700</b> |
| 2.0 ml Homopolymer Microcentrifuge Tube           | Various <sup>3)</sup> | 500       | <b>I1420-270#</b> |
| 2.0 ml Homopolymer Microcentrifuge Tube           | Mixed                 | 500       | <b>I1420-2799</b> |
| 2.0 ml Homopolymer Microcentrifuge Tube, no Cap   | Natural               | 500       | <b>E1420-2850</b> |

<sup>1)</sup> To order colour required, replace # as last digit of Article No. with: 1 for blue, 2 for green, 3 for orange, 4 for red, 7 for amber.

<sup>2)</sup> Mixed packs contain blue, green, orange, red, violet, yellow, amber tubes.

<sup>3)</sup> To order colour required, replace # as last digit of Article No. with: 1 for blue, 5 for violet, 7 for amber.

<sup>4)</sup> Mixed packs contain blue, green, orange, red, violet, yellow, amber tubes.

### MORE INFO

[www.starlab.click/tubes-vials](http://www.starlab.click/tubes-vials)

## Ultra high recovery tubes

- Convenient for RNA or DNA pelleting or protein handling
- Non-reactive. Contains no silicone
- Ensures maximum sample recovery
- Temperature range: -80°C to 121°C. Autoclavable
- Certified RNase, DNase & DNA free. Tested Endotoxin free.



Rated to over 20,000 xg  
One tube, three uses!  
RNA, DNA, Protein handling

### Ultra High Recovery Tubes

| Description                                     | Colour  | Pack Size | Article No.       |
|-------------------------------------------------|---------|-----------|-------------------|
| 0.5 ml Ultra High Recovery Microcentrifuge Tube | Natural | 500       | <b>E1405-2600</b> |
| 1.5 ml Ultra High Recovery Microcentrifuge Tube | Natural | 250       | <b>E1415-2600</b> |
| 2.0 ml Ultra High Recovery Microcentrifuge Tube | Natural | 250       | <b>I1420-2600</b> |

# Microcentrifuge Tube Accessories.



### Cap Locks for 1.5/2.0 ml Tubes

Reusable cap locks to securely seal tubes for rigorous boiling/freezing. Supplied in assorted colours<sup>1)</sup> to aid sample identification. Compatible with most microcentrifuge tubes.

**I1415-1508** / pack 100



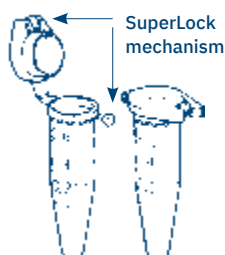
### Microtube Pestle

Disposable polypropylene pestles. Ideal for homogenising cells or resuspending DNA or protein pellets. Supplied in assorted colours<sup>1)</sup>. Certified RNase, DNase and DNA free.

**0.5 ml** **1.5 / 2.0 ml**  
**I1405-4390** / pack 10 **I1415-5390** / pack 10

1) Supplied in mixed bag of blue, green, orange, red, pink, yellow.)

# Microcentrifuge Tubes.



Rated to 17,000 xg  
Piercable cap



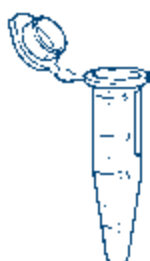
Rated to 14,000 to 20,000 xg

## MORE INFO

[www.starlab.click/tubes-vials](http://www.starlab.click/tubes-vials)



Rated to 20,000 xg  
Sterile



Rated to over 20,000 xg  
Easy open / close

## SuperLock tubes

- Pierceable cap
- Temperature range: -80°C to 121°C. Autoclavable.
- Certified RNase and DNase free.

### SuperLock Tubes

| Description                           | Colour  | Pack Size | Article No.       |
|---------------------------------------|---------|-----------|-------------------|
| 0.5 ml SuperLock Microcentrifuge Tube | Natural | 1000      | <b>E1405-5100</b> |
| 1.5 ml SuperLock Microcentrifuge Tube | Natural | 500       | <b>I1415-5100</b> |

<sup>1</sup>Mixed packs contain following colour tubes: blue, green, orange, pink, violet and yellow.

## Crystal Clear microcentrifuge tubes.

- Thin cap membrane for easy sample access with syringe needle
- Temperature range: -80 °C to 121 °C
- Autoclavable
- Certified RNase, DNase and Pyrogen free

### Crystal Clear Microcentrifuge Tubes

| Description                                         | Colour  | Pack Size | Article No.       |
|-----------------------------------------------------|---------|-----------|-------------------|
| 0.6 ml Crystal Clear Microcentrifuge Tube           | Natural | 2 x 500   | <b>E1405-0600</b> |
| 0.6 ml Crystal Clear Microcentrifuge Tube (Sterile) | Natural | 5 x 100   | <b>E1405-0610</b> |
| 1.5 ml Crystal Clear Microcentrifuge Tube           | Natural | 500       | <b>E1415-1500</b> |
| 1.5 ml Crystal Clear Microcentrifuge Tube (Sterile) | Natural | 5 x 50    | <b>E1415-1510</b> |
| 2.0 ml Crystal Clear Microcentrifuge Tube           | Natural | 500       | <b>E1420-2000</b> |
| 2.0 ml Crystal Clear Microcentrifuge Tube (Sterile) | Natural | 5 x 50    | <b>E1420-2010</b> |

**NOTE:** Due to the sterilisation process, sterile tubes are not quite as clear as the non-sterile tubes.

## Sterile, individually-wrapped microcentrifuge tubes

- Temperature range: -80 °C to 121 °C
- Certified free of RNase, DNase, DNA, Pyrogen, Endotoxin, ATP, Bioburdens and PCR Inhibitors

### Sterile Microcentrifuge Tubes

| Description                                                 | Pack Size | Article No.       |
|-------------------------------------------------------------|-----------|-------------------|
| 0.6 ml Microcentrifuge Tube (Sterile), Individually-Wrapped | 500       | <b>I1405-0510</b> |
| 1.5 ml Microcentrifuge Tube (Sterile), Individually-Wrapped | 250       | <b>I1415-5510</b> |

## High speed, easy close tubes

- Easier tube closing/opening with no distinct snap on closing
- Temperature range: -80 °C to 121 °C

### High Speed, Easy Close Tubes

| Description                           | Colour                | Pack Size | Article No.       |
|---------------------------------------|-----------------------|-----------|-------------------|
| 1.5 ml Copolymer Microcentrifuge Tube | Natural               | 500       | <b>I1415-2500</b> |
| 1.5 ml Copolymer Microcentrifuge Tube | Various <sup>1)</sup> | 500       | <b>I1415-250#</b> |
| 1.5 ml Copolymer Microcentrifuge Tube | Mixed <sup>2)</sup>   | 500       | <b>I1415-2508</b> |

<sup>1)</sup>To order colour required, replace # as last digit of Article No. with: 3 for orange, 5 for violet, 6 for yellow.

<sup>2)</sup>Mixed packs contain blue, green, red, orange, violet, yellow tubes.



# Cryogenic Vials.

## Product features

- 100 % polypropylene
- For storage down to -196 °C; **should only be used in the gas phase of liquid nitrogen**
- Internal threaded vials with a silicone seal in cap for the highest possible impermeability
- Skirted vials lock into racks for easy single-handed work
- White writing area
- Highly-visible black graduations at 100 µl increments
- Sterile (SAL 10<sup>-6</sup>)
- Certified RNase, DNase, DNA and Endotoxin free

| Cryogenic Vials                                             |                                                          |                                                          |                                                          |                                                         |                                                         |                                                         |                                                         |
|-------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Main images in ordering table show internal threaded tubes. |                                                          |                                                          |                                                          |                                                         |                                                         |                                                         |                                                         |
|                                                             |                                                          |                                                          |                                                          |                                                         |                                                         |                                                         |                                                         |
| Tube Volume                                                 | 1.0 ml                                                   | 1.8 ml                                                   | 1.8 ml                                                   | 3.6 ml                                                  | 3.6 ml                                                  | 4.5 ml                                                  | 4.5 ml                                                  |
| Tube Style                                                  | Skirted                                                  | Conical                                                  | Skirted                                                  | Conical                                                 | Skirted                                                 | Conical                                                 | Skirted                                                 |
|                                                             | <b>E3090-6212</b><br>Pack Size: 10 x 50<br>Height: 41 mm | <b>E3090-6321</b><br>Pack Size: 10 x 50<br>Height: 47 mm | <b>E3090-6222</b><br>Pack Size: 10 x 50<br>Height: 48 mm | n/a                                                     | n/a                                                     | n/a                                                     | <b>E3090-6242</b><br>Pack Size: 6 x 50<br>Height: 91 mm |
|                                                             |                                                          |                                                          |                                                          |                                                         |                                                         |                                                         |                                                         |
|                                                             | <b>E3110-6112</b><br>Pack Size: 10 x 50<br>Height: 42 mm | <b>E3110-6121</b><br>Pack Size: 10 x 50<br>Height: 46 mm | <b>E3110-6122</b><br>Pack Size: 10 x 50<br>Height: 49 mm | <b>E3110-6131</b><br>Pack Size: 8 x 50<br>Height: 70 mm | <b>E3110-6132</b><br>Pack Size: 8 x 50<br>Height: 71 mm | <b>E3110-6141</b><br>Pack Size: 6 x 50<br>Height: 90 mm | <b>E3110-6142</b><br>Pack Size: 6 x 50<br>Height: 91 mm |
|                                                             |                                                          |                                                          |                                                          |                                                         |                                                         |                                                         |                                                         |

NOTE: E3090-6321 may not fit in all storage canes due to 13.2 mm diameter.

## MORE INFO

[www.starlab.click/cryovials](http://www.starlab.click/cryovials)

Supplied in convenient, resealable, self-standing pouches



Coloured cap inserts for colour coding your samples.

| Coloured Cap Inserts                                                                              |                                |              |               |            |             |               |               |              |             |              |              |
|---------------------------------------------------------------------------------------------------|--------------------------------|--------------|---------------|------------|-------------|---------------|---------------|--------------|-------------|--------------|--------------|
| <sup>1)</sup> To order the colour required, replace ### as last three digits of Article No. with: |                                |              |               |            |             |               |               |              |             |              |              |
|                                                                                                   | <b>E1494-6###<sup>1)</sup></b> |              |               |            |             |               |               |              |             |              |              |
|                                                                                                   | Pack Size: 500                 |              |               |            |             |               |               |              |             |              |              |
|                                                                                                   |                                |              |               |            |             |               |               |              |             |              |              |
|                                                                                                   | 001<br>Blue                    | 002<br>Green | 003<br>Orange | 004<br>Red | 104<br>Pink | 005<br>Violet | 006<br>Yellow | 007<br>Brown | 108<br>Grey | 009<br>White | 099<br>Mixed |



E9189-0099

| Cryogenic Accessories                                                               |                  |             |
|-------------------------------------------------------------------------------------|------------------|-------------|
| Description                                                                         | Pack Size        | Article No. |
| <b>Storage Canes</b>                                                                |                  |             |
| Storage Canes for 5 x 1.2/2.0 ml Cryogenic Vials                                    | 12               | E2005-5000  |
| <b>Cryogenic Labels for use down to -196 °C</b>                                     |                  |             |
| 9.5 mm Cryogenic Spot Labels, Mixed                                                 | 5000 Labels/Roll | E9189-0099  |
| StarTag Cryo (38 x 15 mm), White                                                    | 1000 Labels/Roll | E9189-3009  |
| NOTE: Labels must be applied to dry, unfrozen sample vials etc at room temperature. |                  |             |

# Screw Cap Microtubes.

## Product features

- Suitable for many applications from sample storage in the **gas phase of liquid nitrogen** to freezer, through boiling to autoclave
- Routinely tested to 20,000 x g
- All tubes and caps are autoclavable
- Certified RNase, DNase and DNA free
- Tested Endotoxin-free

## 1. CHOOSE THE STYLE OF TUBE

### Tubes



| Tube Volume:                                                      | 0.5 ml                 | 0.5 ml                 | 0.5 ml                 | 1.5 ml                 | 1.5 ml                 | 1.5 ml                 | 1.5 ml                 | 2.0 ml                 | 2.0 ml                 | 2.0 ml                 |
|-------------------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Tube Style:                                                       | Ribbed                 | Plain                  | Plain                  | Ribbed                 | Ribbed                 | Graduated              | Plain                  | Ribbed                 | Graduated              | Graduated              |
| Tube Base:                                                        | Skirted                | Skirted                | Conical                | Skirted                | Conical                | Conical                | Skirted                | Skirted                | Conical                | Skirted                |
| Natural 100% polypropylene                                        | E1405-2120<br>Pack 500 | E1405-2140<br>Pack 500 | E1405-2130<br>Pack 500 | E1415-2220<br>Pack 500 | E1415-2210<br>Pack 500 | E1415-2230<br>Pack 500 | E1415-2240<br>Pack 500 | E1420-2320<br>Pack 500 | E1420-2330<br>Pack 500 | E1420-2340<br>Pack 500 |
|                                                                   | E1405-2127<br>Pack 500 | E1405-2147<br>Pack 500 | n/a                    | E1415-2227<br>Pack 500 | n/a                    | E1415-2237<br>Pack 500 | E1415-2247<br>Pack 500 | n/a                    | E1420-2337<br>Pack 500 | E1420-2347<br>Pack 500 |
| Amber 100% polypropylene<br>Suitable for light sensitive samples. |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |

## 2. CHOOSE THE CAP

### EasyGrip Caps

| EasyGrip Caps                                                                                                                                                         | Natural/White          | White/Blue             | White/Green            | White/Orange           | White/Red              | White/Violet           | White/Yellow           | White/White            | Mixed                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Opaque white <sup>1)</sup> polypropylene cap with a coloured seal/grip made from inert TPE. One-piece construction ensures a leak-free seal that will never fall out! | E1480-0300<br>Pack 500 | E1480-0301<br>Pack 500 | E1480-0302<br>Pack 500 | E1480-0303<br>Pack 500 | E1480-0304<br>Pack 500 | E1480-0305<br>Pack 500 | E1480-0306<br>Pack 500 | E1480-0309<br>Pack 500 | E1480-0399<br>Pack 500 |

<sup>1)</sup>except E1480-0300 which is a translucent cap with white seal/grip.

### Caps with O-Ring

| Caps with O-Ring                                                                                                  | Natural                               | Blue                                  | Green                                 | Orange                                | Red                                   | Violet                                | Yellow                                | Amber                                 | Black                            | White                            | Mixed                                 |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|----------------------------------|----------------------------------|---------------------------------------|
| <b>Standard</b><br>Polypropylene cap with separate, ethylene-propylene o-ring to form a seal against rim of tube. | Translucent<br>E1480-0100<br>Pack 500 | Translucent<br>E1480-0101<br>Pack 500 | Translucent<br>E1480-0102<br>Pack 500 | Translucent<br>E1480-0103<br>Pack 500 | Translucent<br>E1480-0104<br>Pack 500 | Translucent<br>E1480-0105<br>Pack 500 | Translucent<br>E1480-0106<br>Pack 500 | Translucent<br>E1480-0107<br>Pack 500 | n/a                              | n/a                              | Translucent<br>E1480-0199<br>Pack 500 |
|                                                                                                                   | n/a                                   | Opaque<br>E1480-0111<br>Pack 500      | Opaque<br>E1480-0112<br>Pack 500      | Opaque<br>E1480-0113<br>Pack 500      | Opaque<br>E1480-0114<br>Pack 500      | Opaque<br>E1480-0115<br>Pack 500      | Opaque<br>E1480-0116<br>Pack 500      | n/a                                   | Opaque<br>E1480-0108<br>Pack 500 | Opaque<br>E1480-0109<br>Pack 500 | n/a                                   |
| <b>Tethered</b><br>Polypropylene cap with separate, ethylene-propylene o-ring to form a seal against rim of tube. | Translucent<br>E1480-0200<br>Pack 500 | n/a                                   | n/a                                   | n/a                                   | n/a                                   | n/a                                   | n/a                                   | Translucent<br>E1480-0207<br>Pack 500 | n/a                              | n/a                              | n/a                                   |
|                                                                                                                   | n/a                                   | Opaque<br>E1480-0201<br>Pack 500      | Opaque<br>E1480-0202<br>Pack 500      | Opaque<br>E1480-0203<br>Pack 500      | Opaque<br>E1480-0204<br>Pack 500      | Opaque<br>E1480-0205<br>Pack 500      | Opaque<br>E1480-0206<br>Pack 500      | n/a                                   | Opaque<br>E1480-0208<br>Pack 500 | Opaque<br>E1480-0209<br>Pack 500 | Opaque<br>E1480-0299<br>Pack 500      |

## Screw Cap Microtubes (Sterile).



Sterile product is supplied pre-assembled in convenient, resealable mini pouches

### Sterile Tube & Cap Assemblies



| Tube Volume:                                                                                                                                                                                                                     | 0.5 ml                    | 1.5 ml                    | 1.5 ml                    | 2.0 ml                    | 2.0 ml                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Tube Style:                                                                                                                                                                                                                      | Plain                     | Graduated                 | Plain                     | Graduated                 | Graduated                 |
| Tube Base:                                                                                                                                                                                                                       | Skirted                   | Conical                   | Skirted                   | Conical                   | Skirted                   |
|  <b>with Natural Standard Caps (Sterile)</b><br>Pre-assembled tubes and natural standard caps with o-ring seal.                                 | E1405-2141<br>Pack 5 x 50 | E1415-2231<br>Pack 5 x 50 | E1415-2241<br>Pack 5 x 50 | E1420-2331<br>Pack 5 x 50 | E1420-2341<br>Pack 5 x 50 |
|  <b>with Natural Tethered Caps (Sterile)</b><br>Pre-assembled tubes and natural tethered caps with o-ring seal.                                | E1405-2142<br>Pack 5 x 50 | E1415-2232<br>Pack 5 x 50 | E1415-2242<br>Pack 5 x 50 | E1420-2332<br>Pack 5 x 50 | E1420-2342<br>Pack 5 x 50 |
|  <b>with Natural/White EasyGrip Caps (Sterile)</b><br>Pre-assembled tubes and natural EasyGrip Caps with white integral grip/seal.            | E1405-2143<br>Pack 5 x 50 | E1415-2233<br>Pack 5 x 50 | E1415-2243<br>Pack 5 x 50 | n/a                       | E1420-2343<br>Pack 5 x 50 |
|  <b>with White/Colour EasyGrip Caps (Sterile)<sup>1)</sup></b><br>Pre-assembled tubes and opaque white EasyGrip Caps with coloured grip/seal. | E1405-030#<br>Pack 5 x 50 | E1415-030#<br>Pack 5 x 50 | E1415-031#<br>Pack 5 x 50 | E1420-030#<br>Pack 5 x 50 | E1420-031#<br>Pack 5 x 50 |

<sup>1)</sup>To order colour of grip/seal required, replace # as last digit of Article No. with:



1 for Blue



2 for Green



4 for Red



6 for Yellow

### Pre-assembled, sterile tubes and caps

- Pre-assembled, sterile tube and cap packs
- Supplied in convenient, resealable mini pouches which stand up on your bench
- Suitable for many applications from sample storage in the **gas phase of liquid nitrogen** through freezer to boiling
- Routinely tested to 20,000 x g
- Certified RNase, DNase, DNA and Endotoxin free



Ready-assembled sterile tubes with EasyGrip Cap

E1420-0314

Tubes

## High Impact Screw Cap Microtubes.



### Product features

- Ready-assembled, shatter resistant tubes manufactured specifically for bead beating applications
- Ultra-pure polypropylene meets FDA 21 CFR 177.1520 & USP Class VI
- Temperature use: -80 °C to 121 °C (Autoclavable)
- Graduated every 100 µl
- Routinely tested to 15,000 x g
- Certified RNase, DNase and DNA free
- Tested Endotoxin-free

### High Impact Screw Cap Microtubes

| Description                                       | Pack Size | Article No.       |
|---------------------------------------------------|-----------|-------------------|
| 2.0 ml Graduated, High Impact Screw Cap Microtube | 200       | <b>E1420-2641</b> |

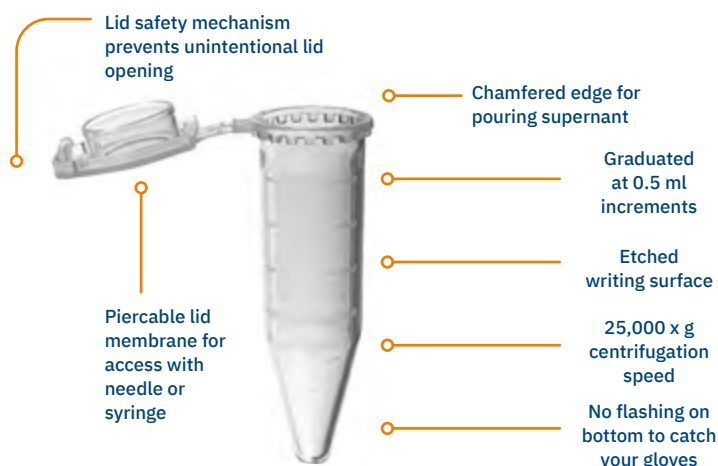
## 5.0 ml Centrifuge Tubes.

### Tube features

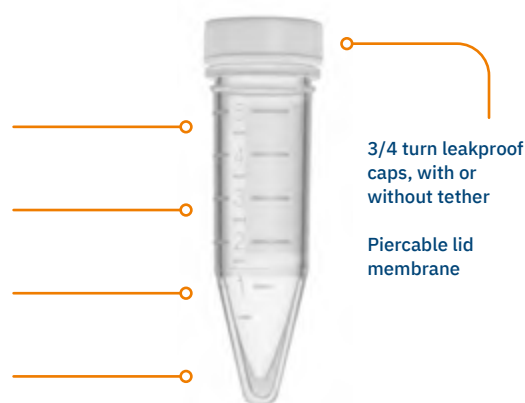
- Ultra clear resin provides excellent sample visibility
- Amber tubes available for light sensitive samples
- Made from 100 % polypropylene that contains no slip agents, plasticizers, mould release agents or biocide substances to interfere with your samples
- Same diameter as 15 ml tubes, so they will fit into your existing 15 ml bench racks
- Certified RNase, DNase, DNA & Pyrogen free
- Autoclavable
- Temperature use down to  $-196^{\circ}\text{C}$  <sup>1)</sup>



### FLIP CAP CENTRIFUGE TUBES



### SCREW CAP CENTRIFUGE TUBES



#### Cap locks.

Provide extra security against cap opening for the flip cap tubes. Ideal for use when shipping samples.



#### Screw caps.

Three quarter turn leakproof screw caps for 5.0 ml centrifuge tubes, available with or without a tether.

The caps feature a membrane area for easy puncture with a needle. Once punctured, the opening can be used for venting the internal pressure during heating.

### MORE INFO

[www.starlab.click/5mltubes](http://www.starlab.click/5mltubes)



## 5.0 ml centrifuge tubes, flip caps

## 5.0 ml centrifuge tubes, screw caps



Centrifuge tube, 5.0 ml, flip cap, conical, natural



Centrifuge tube 5.0 ml, flip cap, conical, amber



Centrifuge tube 5.0 ml, flip cap, conical, natural, sterile



Cap lock for 5.0 ml centrifuge tubes with flip cap



Centrifuge tube, 5.0 ml, screw cap (tube only), conical, natural



Centrifuge tube, 5.0 ml, with standard screw cap, conical, natural, sterile



Standard screw cap for 5.0 ml centrifuge tubes



Tethered screw cap for 5.0 ml centrifuge tubes

| Article No. | E1450-5000 | E1450-5007 | E1450-5010 | E1450-9000 | E1450-5040 | E1450-5050 | E1450-5060 | E1450-5080 |
|-------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pack Size   | 2 x 100    | 2 x 100    | 10 x 20    | 10 x 10    | 2 x 100    | 10 x 20    | 2 x 100    | 2 x 100    |

## TECHNICAL SPECIFICATIONS

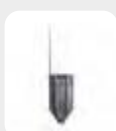
| Colour                                     | Natural              | Amber                | Natural              | White                | Natural              | Natural tube White cap | White                     | White                     |
|--------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------------|---------------------------|---------------------------|
| Material                                   | Polypropylene        | Polypropylene        | Polypropylene        | Polyethylene         | Polypropylene        | Polypropylene          | High Density Polyethylene | High Density Polyethylene |
| Centrifugation Rate                        | 25,000 xg            | 25,000 xg            | 25,000 xg            | n/a                  | 25,000 xg            | 25,000 xg              | 25,000 xg                 | 25,000 xg                 |
| Sterile                                    | —                    | —                    | ☑                    | —                    | —                    | ☑                      | —                         | —                         |
| Certified RNase, DNase, DNA & Pyrogen free | ☑                    | ☑                    | ☑                    | —                    | ☑                    | ☑                      | ☑                         | ☑                         |
| Autoclavable                               | ☑                    | ☑                    | ☑                    | —                    | ☑                    | —                      | —                         | —                         |
| Max. Temp.                                 | 121°C                | 121°C                | 121 °C               | 100 °C               | 121°C                | 100°C                  | 100 °C                    | 100 °C                    |
| Min. Temp.                                 | -196°C <sup>1)</sup> | -196°C <sup>1)</sup> | -196°C <sup>1)</sup> | -196°C <sup>1)</sup> | -196°C <sup>1)</sup> | -196°C <sup>1)</sup>   | -196°C <sup>1)</sup>      | -196°C <sup>1)</sup>      |
| Dimensions (mm)                            | 60.2 x 15.8          | 60.2 x 15.8          | 60.2 x 15.8          | n/a                  | 62.5 x 15.8          | 63.5 x 15.8            | 19.9 Ø                    | n/a                       |

<sup>1)</sup> For the gas phase of LN<sub>2</sub> only, not to be immersed in the liquid phase.

## Accessories



Universal centrifuge adapter for 5.0 ml tubes, for 15 ml rotor bores



Universal centrifuge adapter for 5.0 ml tubes, for 50 ml rotor bores

| Article No. | E1450-9011 | E1450-9015 |
|-------------|------------|------------|
| Pack Size   | 8          | 8          |

## TECHNICAL SPECIFICATIONS

| Colour              | Grey           | Grey           |
|---------------------|----------------|----------------|
| Material            | Acetal plastic | Acetal plastic |
| Centrifugation Rate | 25,000 xg      | 25,000 xg      |
| Min. Temp.          | -90 °C         | -90 °C         |
| Dimensions          | 70.8 x 16.6 mm | 114 x 28.4 mm  |

## MORE INFO

[www.starlab.click/5mltubes](http://www.starlab.click/5mltubes)



25-place storage box and work rack for 5.0 ml Centrifuge Tubes also available. See **Sample Storage** section.

# 15/50 ml Centrifuge Tubes.



**Max. centrifugation rates:**  
 15 ml conical: 12,000 x g  
 50 ml conical: 12,000 x g  
 50 ml skirted: 6,000 x g



## Product features

- Clear, polypropylene tubes with green HDPE screw caps
- 2.5 turn screw caps with sealing ring prevents leakage
- Highly visible black printed graduations
- White writing surface
- Freezable to -80 °C. Autoclavable at 121 °C
- Sterile (SAL 10<sup>-6</sup>) and USP Class VI, non-cytotoxic
- Heavy metal free
- Certified RNase, DNase, DNA and pyrogen free



## Centrifuge Tubes

| Description                                                                                          | Pack Size          | Article No.       |
|------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>15 ml Centrifuge Tubes</b>                                                                        |                    |                   |
| 15 ml Centrifuge Tube, Conical (Sterile), Loose                                                      | 20 x 25-Tube Bags  | <b>E1415-0100</b> |
| 15 ml Centrifuge Tube, Conical (Sterile), Racked                                                     | 20 x 25-Tube Racks | <b>E1415-0700</b> |
| <b>50 ml Centrifuge Tubes</b>                                                                        |                    |                   |
| 50 ml Centrifuge Tube, Conical (Sterile), Loose                                                      | 20 x 25-Tube Bags  | <b>E1450-0100</b> |
| 50 ml Centrifuge Tube, Conical (Sterile), Racked                                                     | 20 x 25-Tube Racks | <b>E1450-0700</b> |
| 50 ml Centrifuge Tube, Skirted (Sterile), Loose                                                      | 20 x 25-Tube Bags  | <b>E1450-0400</b> |
| Dimensions inc. cap (HxØ): 15 ml: 122.6 x 22 mm. 50 ml: 117 x 34.5 mm. 50 ml skirted: 120 x 34.5 mm. |                    |                   |

## MORE INFO

[www.starlab.click/centrifugetubes](http://www.starlab.click/centrifugetubes)



**Max. centrifugation rates**  
 (swing bucket / fixed angle):  
 15 ml conical: 4,000 / 15,000 x g  
 50 ml conical: 3,200 / 9,500 x g  
 50 ml skirted: 2,800 / 11,500 x g

## Product features

- Clear, polypropylene tubes with blue HDPE screw caps
- Blue printed graduations
- White writing surface
- Temperature range: -80 °C to 100 °C
- Sterile (SAL 10<sup>-3</sup>)
- Heavy metal free
- Certified RNase, DNase, DNA and pyrogen free

## Centrifuge Tubes

| Description                                                                                              | Pack Size          | Article No.       |
|----------------------------------------------------------------------------------------------------------|--------------------|-------------------|
| <b>15 ml Centrifuge Tubes</b>                                                                            |                    |                   |
| 15 ml Centrifuge Tube, Conical (Sterile), Loose                                                          | 10 x 50-Tube Bags  | <b>E1415-0200</b> |
| 15 ml Centrifuge Tube, Conical (Sterile), Racked                                                         | 10 x 50-Tube Racks | <b>E1415-0800</b> |
| <b>50 ml Centrifuge Tubes</b>                                                                            |                    |                   |
| 50 ml Centrifuge Tube, Conical (Sterile), Loose                                                          | 10 x 50-Tube Bags  | <b>E1450-0200</b> |
| 50 ml Centrifuge Tube, Conical (Sterile), Racked                                                         | 20 x 25-Tube Racks | <b>E1450-0800</b> |
| 50 ml Centrifuge Tube, Skirted (Sterile), Loose                                                          | 10 x 50-Tube Bags  | <b>E1450-0500</b> |
| Dimensions inc. cap (HxØ): 15 ml: 120.5 x 22 mm. 50 ml: 115.5 x 34.9 mm. 50 ml skirted: 116.5 x 34.9 mm. |                    |                   |

## MORE INFO

[www.starlab.click/centrifuge-tubes](http://www.starlab.click/centrifuge-tubes)

# Microtubes in Rack.



## Product features

- 96-place racks with SBS footprint
- Ideal for automation / HTS and long term storage
- Tubes & caps available separately. Autoclave the racks and reuse!
- Tubes and racks made from virgin polypropylene
- Suitable for long term storage
- Certified RNase, DNase, DNA and PCR Inhibitor free
- Tested pyrogen free
- Sterile options

| Microdilution Tubes                         |                                    |             |
|---------------------------------------------|------------------------------------|-------------|
| Description                                 | Pack Size                          | Article No. |
| <b>1.2 ml Individual Tubes, Racked</b>      |                                    |             |
|                                             | Individual Tubes in Rack           | 10 Racks    |
|                                             | Individual Tubes in Rack (Sterile) | 10 Racks    |
|                                             | Individual Reaction Tubes only     | 1000 Tubes  |
| <b>1.2 ml 8-Strip Tubes, Racked</b>         |                                    |             |
|                                             | 8-Strip Tubes in Rack              | 10 Racks    |
|                                             | 8-Strip Tubes in Rack (Sterile)    | 10 Racks    |
|                                             | 8-Strip Reaction Tubes only        | 125 Strips  |
| <b>1.2 ml 12-Strip Tubes, Racked</b>        |                                    |             |
|                                             | 12-Strip Tubes in Rack             | 10 Racks    |
|                                             | 12-Strip Tubes in Rack (Sterile)   | 10 Racks    |
|                                             | 12-Strip Reaction Tubes only       | 80 Strips   |
| <b>Strip Caps for 1.2 ml Reaction Tubes</b> |                                    |             |
|                                             | 8-Strip Caps                       | 125         |
|                                             | 8-Strip Caps (Sterile)             | 125         |
|                                             | 12-Strip Caps                      | 80          |
|                                             | 12-Strip Caps (Sterile)            | 80          |

**NOTE:** PP tubes and racks are autoclavable. PE strip caps can not be autoclaved.  
Rack dimensions (WxDxH): 128 x 85.5 x 47.25 mm (with lid).

## MORE INFO

[www.starlab.click/microtubes](http://www.starlab.click/microtubes)



Non-sterile product certified RNase and DNase free  
Sterile product certified RNase, DNase, DNA and Pyrogen free

## Microtubes in rack with removable base

A heavy duty rack with the same footprint as a standard plate, containing 96 individual 1.2 ml tubes. Each tube is fully supported at the base to withstand the pressures applied by robotic systems. The base of the rack can be easily removed for waterbath applications. Moulded reference grid on lid. Suitable for use down to -80 °C.

| Microtubes in Rack                           |           |             |
|----------------------------------------------|-----------|-------------|
| Description                                  | Pack Size | Article No. |
| 1.2 ml Microtubes in Rack                    | 10        | I1412-7400  |
| 1.2 ml Microtubes in Rack (Sterile)          | 10        | I1412-7410  |
| 8-Strip Caps for 1.2 ml Microtubes           | 120       | I1494-1400  |
| 8-Strip Caps for 1.2 ml Microtubes (Sterile) | 120       | I1494-1410  |

**NOTE:** PP tubes and racks are autoclavable. PE strip caps can not be autoclaved.  
Rack dimensions, incl. lid (WxDxH): 85 x 127 x 41 mm.



## Microtubes in Rack.



### Alpha-numeric coded tubes in rack

- Refillable! Tube refills are supplied in a frame ready to load into racks
- The tube frame prevents tubes falling out of rack or the codes getting out of sequence
- SBS footprint compatible with all robotics applications
- Alpha-numeric codes printed on bottom of each tube
- Ideal for archiving samples
- Suitable for stackable systems
- Lockable, clear lid
- Temperature use -80 °C to 121 °C

### Alpha-Numeric Microtubes in Rack

| Description                                                                | Pack Size  | Article No.       |
|----------------------------------------------------------------------------|------------|-------------------|
| <b>0.65 ml Tubes</b>                                                       |            |                   |
| Tube Rack with Lid, Pre-Filled with 96 x 0.65 ml Alpha-Numeric Coded Tubes | 10 Racks   | <b>E1780-3100</b> |
| Tube Rack Refill Frame, Loaded with 96 x 0.65 ml Alpha-Numeric Coded Tubes | 10 Refills | <b>E1780-3700</b> |
| <b>1.2 ml Tubes</b>                                                        |            |                   |
| Tube Rack with Lid, Pre-Filled with 96 x 1.2 ml Alpha-Numeric Coded Tubes  | 10 Racks   | <b>E1780-2100</b> |
| Tube Rack Refill Frame, Loaded with 96 x 1.2 ml Alpha-Numeric Coded Tubes  | 10 Refills | <b>E1780-2700</b> |
| <b>Sealing Options</b>                                                     |            |                   |
| Piercable Cap Mat for 0.65 ml or 1.2 ml Tubes                              | 10 Mats    | <b>E1780-8500</b> |

**NOTE:** PP tubes and racks are autoclavable. Strip caps and cap mat are not autoclavable.  
 0.65 ml Rack dimensions, incl. lid: 127 x 85 x 50 mm.  
 1.2 ml Rack dimensions, incl. lid: 127 x 85 x 50 mm.

### MORE INFO

[www.starlab.click/coded-microtubes](http://www.starlab.click/coded-microtubes)



Refill frames loaded with tubes



Piercable cap mat

## Tubes & Containers.

**Screw Cap Containers.** Temperature use for all containers: -10 °C to 70 °C.

### Screw Cap Containers

| Description                                                                                                                | Dimensions HxØ <sup>1)</sup> | Pack Size | Article No.       |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------|-------------------|
| 60 ml Polystyrene Container with Red Polyethylene Screw Cap <sup>2)</sup>                                                  | 66 x 44.5 mm                 | 600       | <b>E1412-6004</b> |
| 125 ml Polypropylene Container with Red Polyethylene Screw Cap <sup>2)</sup><br>Graduated at 20 ml intervals, up to 100 ml | 75 x 62 mm                   | 475       | <b>E1412-6104</b> |
| 60 ml Polystyrene Container with Metal Cap, Printed Label (Sterile)                                                        | 60 x 45 mm                   | 300       | <b>E1412-6000</b> |
| 100 ml Polystyrene Container with Metal Cap <sup>2)</sup>                                                                  | 75 x 45 mm                   | 160       | <b>E1412-1000</b> |
| 150 ml Polystyrene Container with Metal Cap <sup>2)</sup>                                                                  | 108 x 55 mm                  | 120       | <b>E1412-1500</b> |
| 250 ml Polystyrene Container with Metal Cap <sup>2)</sup>                                                                  | 121 x 65 mm                  | 48        | <b>E1412-2500</b> |

<sup>1)</sup>Including cap. <sup>2)</sup>Aseptically produced in a fully-automated and bio-controlled environment.



## Tubes & Containers.



**30 ml polypropylene (PP) or polystyrene (PS) containers with white, polypropylene cap.** Aseptically produced. Available with or without labels. Centrifugation rate: 3000 x g. Temperature use: -10 °C to 70 °C.

The polypropylene containers (without cap) are autoclavable.

### Universal Containers

| Description                                                         | Pack Size | Article No.       |
|---------------------------------------------------------------------|-----------|-------------------|
| 30 ml Polypropylene Universal Container, No Label <sup>1</sup>      | 400       | <b>E1412-3020</b> |
| 30 ml Polypropylene Universal Container, Plain Label <sup>1</sup>   | 400       | <b>E1412-3021</b> |
| 30 ml Polypropylene Universal Container, Printed Label <sup>1</sup> | 400       | <b>E1412-3022</b> |
| 30 ml Polystyrene Universal Container, No Label <sup>1</sup>        | 400       | <b>E1412-3010</b> |
| 30 ml Polystyrene Universal Container, Plain Label <sup>1</sup>     | 400       | <b>E1412-3011</b> |
| 30 ml Polystyrene Universal Container, Printed Label <sup>1</sup>   | 400       | <b>E1412-3012</b> |

Dimensions (HxØ) incl. cap: 93 x 31 mm.

<sup>1</sup>Aseptically produced in a fully-automated and bio-controlled environment.



E1412-0710 E1412-0711

**Ultra clear, sterile polystyrene bijou containers with white polypropylene screw caps.** Centrifugation rate 7200 x g. Temperature use: -10 °C to 70 °C.

### Bijou Containers

| Description                                                 | Pack Size | Article No.       |
|-------------------------------------------------------------|-----------|-------------------|
| 7.0 ml Polystyrene Bijou Container, without Label (Sterile) | 700       | <b>E1412-0710</b> |
| 7.0 ml Polystyrene Bijou Container, with Label (Sterile)    | 700       | <b>E1412-0711</b> |

Dimensions (HxØ) incl. cap: 50 x 23 mm.



**Polypropylene or polystyrene tubes** graduated at 1.0 ml, 2.5 ml and 4.0 ml.

Leakproof push-on polyethylene (PE) cap with a ribbed plug to clamp firmly on the tube. Centrifugation rates: 15,000 x g (PP), 7000 x g (PS). Temperature use PP tubes<sup>1</sup> with cap: -50 °C to 80 °C / PS tubes with cap: -10 °C to 70 °C.

### 12 x 75 Tubes

| Description                                  | Pack Size | Article No.       |
|----------------------------------------------|-----------|-------------------|
| 12x75 Polypropylene (PP) Graduated Tube      | 2 x 1000  | <b>E1412-6201</b> |
| 12x75 Polystyrene (PS) Graduated Tube        | 2 x 1000  | <b>E1412-6200</b> |
| Cap for 12 x 75 Graduated Tubes, PE, Natural | 2000      | <b>E1412-6300</b> |

Dimensions: Tube (HxØ): 75 x 12 mm. Cap: 15 x 15 mm.

<sup>1</sup>PP tubes without cap are autoclavable (temp. use: -80 °C to 121 °C).

**Polypropylene (PP) or polystyrene (PS) sterile tube.** White writing area.

Graduated at 0.25 ml increments. Dual position polyethylene caps can be left loose for aerobic work or sealed for anaerobic culture. Centrifugation rates: 3000 x g (PP), 1400 x g (PS). Temperature use: -190 °C to 120 °C (PP) / -10 °C to 70 °C (PS).



### Culture Tubes

| Description                                         | Pack Size         | Article No.       |
|-----------------------------------------------------|-------------------|-------------------|
| 14 ml Polypropylene Culture Tube with Cap (Sterile) | 20 x 25-Tube Bags | <b>I1485-0810</b> |
| 14 ml Polystyrene Culture Tube with Cap (Sterile)   | 20 x 25-Tube Bags | <b>I1485-2810</b> |

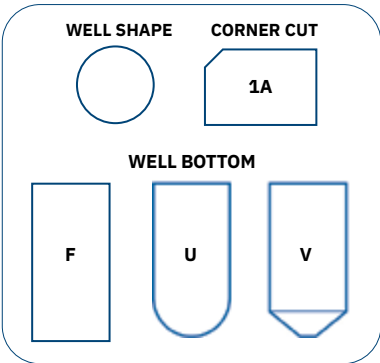
Dimensions (HxØ) incl. cap: 95 x 23 mm. PP tubes are autoclavable only without the cap.



# PlateOne® Microplates.



Well-bottom shape indicator code on every plate for easy identification



### Features

- Virgin polypropylene plates for reduced sample binding compared to polystyrene plates
- High chemical resistance
- Raised wells help prevent cross contamination
- Highly visible printed, alpha-numeric matrix
- SBS footprint
- Temperature use: -80 °C to 121 °C
- Autoclavable
- Certified RNase, DNase, DNA & Pyrogen free



### PlateOne® Microplates

| Description                                                              | Pack Size | Article No.       |
|--------------------------------------------------------------------------|-----------|-------------------|
| <b>Flat Bottom (F) Plates, max. Working Volume 370 µl</b>                |           |                   |
| PlateOne® 96-Well Microplate, Round Wells with Flat Bottoms,             | 4 x 20    | <b>S1837-9600</b> |
| PlateOne® 96-Well Microplate, Round Wells with Flat Bottoms (Sterile)    | 4 x 20    | <b>S1837-9610</b> |
| <b>Round Bottom (U) Plates, max. Working Volume 320 µl</b>               |           |                   |
| PlateOne® 96-Well Microplate, Round Wells with Round Bottoms             | 4 x 20    | <b>S1830-9600</b> |
| PlateOne® 96-Well Microplate, Round Wells with Round Bottoms (Sterile)   | 4 x 20    | <b>S1830-9610</b> |
| <b>Conical Bottom (V) Plates, max. Working Volume 320 µl</b>             |           |                   |
| PlateOne® 96-Well Microplate, Round Wells with Conical Bottoms           | 4 x 20    | <b>S1833-9600</b> |
| PlateOne® 96-Well Microplate, Round Wells with Conical Bottoms (Sterile) | 4 x 20    | <b>S1833-9610</b> |
| <b>Sealing Mat</b>                                                       |           |                   |
| DMSO Resistant Polyolefin Sealing Mat for 96-Well with Round Wells       | 24        | <b>B1494-1224</b> |
| Plate dimensions: (WxDxH): 127.8 x 85.5 x 14.35 mm                       |           |                   |

### MORE INFO

[www.starlab.click/plateone-micro](http://www.starlab.click/plateone-micro)

See page 63 for plate seals.



# PlateOne® Deepwell Plates.



1.0 ml Plate



200 µl Plate



## MORE INFO

[www.starlab.click/plateone-deepwell](http://www.starlab.click/plateone-deepwell)

## Features

- Virgin polypropylene
- Highly visible, printed matrix
- SBS footprint
- Barcoded plates available on request
- Rated up to 5000 x g
- Temperature use: -80°C to 121°C
- Autoclavable
- Supplied in resealable bags
- Certified RNase, DNase, DNA & Pyrogen free

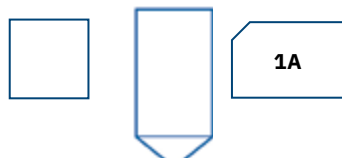
### 96-Well Plates, 0.5 ml & 1.0 ml

WELL SHAPE WELL BOTTOM CORNER CUT



### 96-Well Plate, 2.0 ml

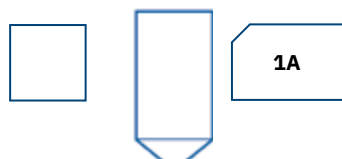
WELL SHAPE WELL BOTTOM CORNER CUT



See page 63 for plate seals.

### 384-Well Plate, 200 µl

WELL SHAPE WELL BOTTOM CORNER CUT



## PlateOne® Deepwell Plates, 96- Wells

| Description                                                                                                                                                                     | Pack Size | Article No.       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------|
| <b>0.5 ml, Round Wells, Round Bottom</b>                                                                                                                                        |           |                   |
| 0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms                                                                                                              | 4 x 8     | <b>S1896-5800</b> |
| 0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Bulk)                                                                                                       | 32        | <b>S1896-5000</b> |
| 0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Sterile), Individually Wrapped                                                                              | 32        | <b>S1896-5110</b> |
| DMSO Resistant Polyolefin Sealing Mat for 96-Well with Round Wells                                                                                                              | 24        | <b>B1494-1224</b> |
| <b>1.0 ml, Round Wells, Round Bottom</b>                                                                                                                                        |           |                   |
| 1.0 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms                                                                                                              | 4 x 5     | <b>S1896-1800</b> |
| 1.0 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Bulk)                                                                                                       | 20        | <b>S1896-1000</b> |
| 1.0 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Sterile), Individually Wrapped                                                                              | 20        | <b>S1896-1110</b> |
| DMSO Resistant Polyolefin Sealing Mat for 96-Well with Round Wells                                                                                                              | 24        | <b>B1494-1224</b> |
| <b>2.0 ml, Square Wells, V-Shaped Bottom</b>                                                                                                                                    |           |                   |
| 2.0 ml PlateOne® 96 Deepwell Plate, Square Wells with V-Shape Bottoms                                                                                                           | 4 x 5     | <b>S1896-2800</b> |
| 2.0 ml PlateOne® 96 Deepwell Plate, Square Wells with V-Shape Bottoms (Bulk)                                                                                                    | 20        | <b>S1896-2000</b> |
| 2.0 ml PlateOne® 96 Deepwell Plate, Square Wells with V-Shape Bottoms (Sterile), Individually Wrapped                                                                           | 20        | <b>S1896-2110</b> |
| DMSO Resistant Polyolefin Sealing Mat for 96-Well with Square Wells                                                                                                             | 24        | <b>B1494-1124</b> |
| Piercable Sealing Mat for 96-Well with Square Wells                                                                                                                             | 5         | <b>E2896-1801</b> |
| Plate dimensions (WxDxH): 0.5 ml: 127.8 x 85.5 x 27.10 mm. 1.0 & 2 ml: 127.8 x 85.5 x 44.10 mm. PlateOne® Plates can be sealed with the designated Sealing Mats or Plate Seals. |           |                   |

## PlateOne® Deepwell Plates, 384- Wells

| Description                                                                                                                        | Pack Size | Article No.       |
|------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------|
| 200 µl PlateOne® 384 Deepwell Plate, Square Wells with V-Shape Bottoms                                                             | 4 x 10    | <b>S1884-2400</b> |
| 200 µl PlateOne® 384 Deepwell Plate, Square Wells with V-Shape Bottoms (Bulk)                                                      | 40        | <b>S1884-2000</b> |
| 200 µl PlateOne® 384 Deepwell Plate, Square Wells with V-Shape Bottoms (Sterile), Individually Wrapped                             | 40        | <b>S1884-2410</b> |
| Plate dimensions (WxDxH): 127.8 x 85.5 x 25.10 mm. PlateOne® Plates can be sealed with the designated Sealing Mats or Plate Seals. |           |                   |

# 96-Well Deepwell Plates.



E2896-0120

## Features

- Virgin polypropylene plates with SBS footprint
- Alpha-numeric reference grid (moulded)
- Pierceable mats reseal after use
- Plate temperature use: -80 °C to 121 °C.
- All plates are autoclavable

## MORE INFO

[www.starlab.click/deepwellplates](http://www.starlab.click/deepwellplates)

### Deepwell plate sealing options

Deepwell plates can be sealed with the designated sealing mat or plate seals.

### WELL SHAPE WELL BOTTOM CORNER CUT

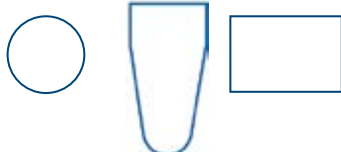


Plate Height: 30 mm  
Wells elevated 1.0 mm above plate surface

### Deepwell Plate, 0.6 ml

| Description                                                | Pack Size | Article No. |
|------------------------------------------------------------|-----------|-------------|
| 0.6 ml 96 Deepwell Plate, Round Wells with Conical Bottoms | 5         | E2896-0600  |

Certified RNase and DNase free.

### WELL SHAPE WELL BOTTOM CORNER CUT

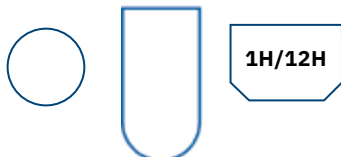


Plate Height: 27 mm

### Deepwell Plate, 1.1 ml

| Description                                                                     | Pack Size | Article No. |
|---------------------------------------------------------------------------------|-----------|-------------|
| 1.1 ml 96 Deepwell Plate, Round Wells with Round Bottoms, Low-Profile (Sterile) | 2 x 5     | E2896-0110  |

### Sealing Mat

|                                                                                       |    |            |
|---------------------------------------------------------------------------------------|----|------------|
| Pierceable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells | 10 | E2896-1100 |
|---------------------------------------------------------------------------------------|----|------------|

Certified RNase and DNase free.

### WELL SHAPE WELL BOTTOM CORNER CUT

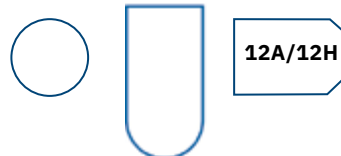


Plate Height: 27 mm

### Deepwell Plate, 1.2 ml

| Description                                                       | Pack Size | Article No. |
|-------------------------------------------------------------------|-----------|-------------|
| 1.2 ml 96 Deepwell Plate, Round Wells, Round Bottoms, Low-Profile | 50        | E2896-0120  |

### Sealing Options

|                                                                          |    |            |
|--------------------------------------------------------------------------|----|------------|
| Pierceable TPE Sealing Mat for 1.2ml 96 Deepwell Plates with Round Wells | 50 | E2896-0320 |
|--------------------------------------------------------------------------|----|------------|

### WELL SHAPE WELL BOTTOM CORNER CUT

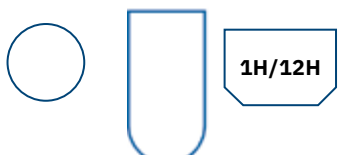


Plate Height: 44 mm

### Deepwell Plate, 2.0 ml

| Description                                               | Pack Size | Article No. |
|-----------------------------------------------------------|-----------|-------------|
| 2.0 ml 96 Deepwell Plate, Round Wells with Round Bottoms, | 10        | E2896-2100  |

### Sealing Mat

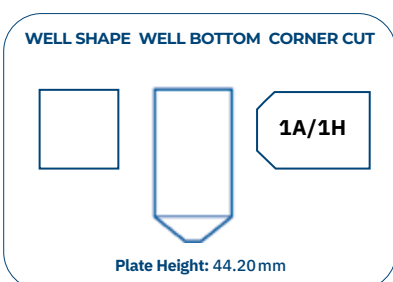
|                                                                                       |    |            |
|---------------------------------------------------------------------------------------|----|------------|
| Pierceable, Autoclavable Silicone Sealing Mat for 96 Deepwell Plates with Round Wells | 10 | E2896-1100 |
|---------------------------------------------------------------------------------------|----|------------|

Certified RNase and DNase free.

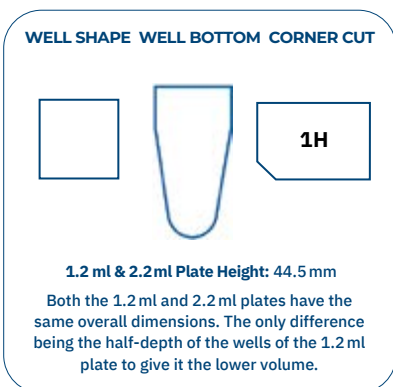
See page 63 for plate seals.



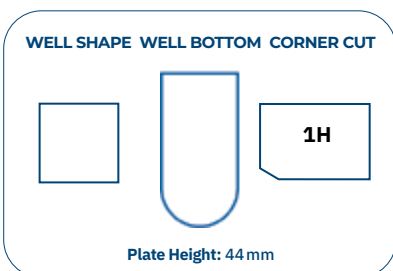
## 96-Well Deepwell Plates.



| Deepwell Plate, 2.2 ml                                                         |           |             |
|--------------------------------------------------------------------------------|-----------|-------------|
| Description                                                                    | Pack Size | Article No. |
| 2.2 ml 96 Deepwell Plate, Square Wells with V-Shaped Bottoms                   | 50        | E2896-0220  |
| Sealing Mat                                                                    |           |             |
| Piercable TPE Sealing Mat for 2.2/ 2.5 ml 96 Deepwell Plates with Square Wells | 20        | E2896-2501  |

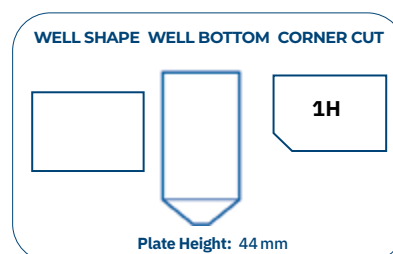


| Deepwell Plates, 1.2 ml & 2.2 ml                                                                        |           |             |
|---------------------------------------------------------------------------------------------------------|-----------|-------------|
| Description                                                                                             | Pack Size | Article No. |
| 1.2 ml Deepwell Plate                                                                                   |           |             |
| 1.2 ml 96 Deepwell Plate, Square Wells with Conical Bottoms                                             | 10        | E2896-1820  |
| 2.2 ml Deepwell Plate                                                                                   |           |             |
| 2.2 ml 96 Deepwell Plate, Square Wells with Conical Bottoms                                             | 10        | E2896-1810  |
| Sealing Mat                                                                                             |           |             |
| Piercable, Autoclavable Silicone Sealing Mat for 1.2 ml and 2.2 ml 96 Deepwell Plates with Square Wells | 5         | E2896-1801  |
| Certified RNase, DNase & DNA free. Tested Endotoxin free.                                               |           |             |



| Deepwell Plate, 2.5 ml                                                        |           |             |
|-------------------------------------------------------------------------------|-----------|-------------|
| Description                                                                   | Pack Size | Article No. |
| 2.5 ml 96 Deepwell Plate, Square Wells with Round Bottoms                     | 20        | E2896-2500  |
| Sealing Mat                                                                   |           |             |
| Piercable TPE Sealing Mat for 2.2/2.5 ml 96 Deepwell Plates with Square Wells | 20        | E2896-2501  |

## 48-Well Deepwell Plates.



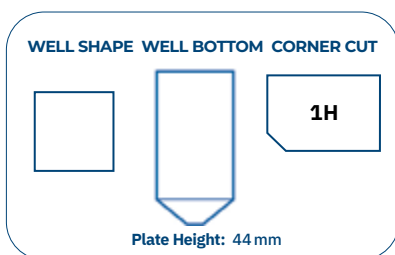
| Deepwell Plate, 5 ml                                           |           |             |
|----------------------------------------------------------------|-----------|-------------|
| Description                                                    | Pack Size | Article No. |
| 5.0 ml 48 Deepwell Plate, Rectangle Wells with V-Shape Bottoms | 20        | E2848-0000  |
| Sealing Mat                                                    |           |             |
| Piercable TPE Sealing Mat for 5.0 ml 48 Deepwell Plates        | 20        | E2848-0001  |

### MORE INFO

[www.starlab.click/deepwellplates](http://www.starlab.click/deepwellplates)

See page 63 for plate seals.

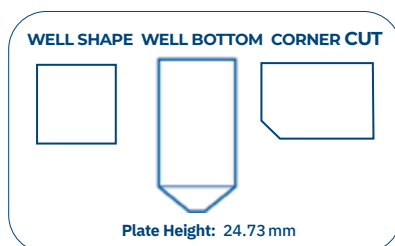
## 24-Well Deepwell Plates.



### Deepwell Plate, 10 ml

| Description                                                | Pack Size | Article No.       |
|------------------------------------------------------------|-----------|-------------------|
| 10 ml 24 Deepwell Plate, Square Wells with V-Shape Bottoms | 20        | <b>E2824-0000</b> |
| <b>Sealing Mat</b>                                         |           |                   |
| Pierceable TPE Sealing Mat for 10 ml 24 Deepwell Plate     | 20        | <b>E2824-0001</b> |

## 384-Well Deepwell Plates.



### Deepwell Plate, 240 µl

| Description                                                  | Pack Size | Article No.       |
|--------------------------------------------------------------|-----------|-------------------|
| 240 µl 384 Deepwell Plate, Square Wells with V-Shape Bottoms | 10        | <b>E2384-2400</b> |

## Polystyrene Assay Plates.

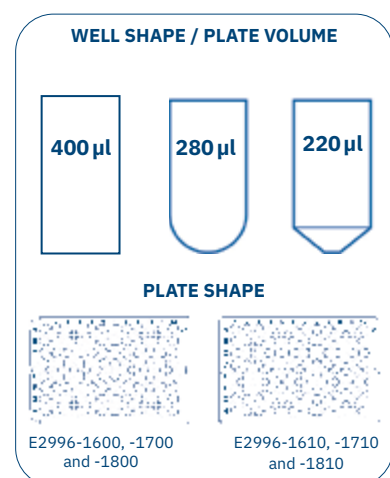


### Ultra clear polystyrene (PS) assay plates.

Flat bottom plates for optical reading (eg. non-UV spectrophotometers and ELISA applications when pre-treated plates are not required)

Round and V-shaped plates for full sample recovery.

The non-sterile, aseptically produced plates are supplied in convenient mini-packs, whereas the sterile plates are supplied individually wrapped. Lids available separately for both sterile, and non-sterile plates.



### Polystyrene Assay Plates

| Description                                                                          | Pack Size | Article No.       |
|--------------------------------------------------------------------------------------|-----------|-------------------|
| <b>Non-sterile<sup>1</sup></b>                                                       |           |                   |
| 96-Well Microplate, Round Wells, Flat Bottom, PS                                     | 20 x 5    | <b>E2996-1600</b> |
| 96-Well Microplate, Round Wells, Round Bottom, PS                                    | 20 x 5    | <b>E2996-1700</b> |
| 96-Well Microplate, Round Wells, V-Shape Bottom, PS                                  | 20 x 5    | <b>E2996-1800</b> |
| PS Lid for 96-Well PS Microplates                                                    | 20 x 5    | <b>E2996-1900</b> |
| <b>Sterile, Individually-Wrapped</b>                                                 |           |                   |
| 96-Well Microplate, Round Wells, Flat Bottom, PS (Sterile), Individually-Wrapped     | 50        | <b>E2996-1610</b> |
| 96-Well Microplate, Round Wells, Round Bottom, PS (Sterile), Individually-Wrapped    | 50        | <b>E2996-1710</b> |
| 96-Well Microplate, Round Wells, V-Shaped Bottom, PS (Sterile), Individually-Wrapped | 50        | <b>E2996-1810</b> |
| PS Lid for 96-Well PS Microplates (Sterile), Ind. Wrapped                            | 50        | <b>E2996-1910</b> |

<sup>1</sup>Aseptically produced in a fully-automated and bio-burden controlled environment. Plate dimensions (WxDxH): 127.4 x 85.9 x 14.7 mm. **NOTE:** Due to the difference in plate shape, lid E2996-1900 is compatible only with plates E2996-1600, -1700 and -1800; lid E2996-1910 is compatible only with plates E2996-1610, -1710 and -1810.

### MORE INFO

[www.starlab.click/assayplates](http://www.starlab.click/assayplates)



# Self-Adhesive Plate Seals.

|                                           | Seals for Storage       |                         |                         |                         | Cell Culture               |
|-------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------------|
| Description:                              | Aluminium Sealing Foil  | Polyester Seal (80 µm)  | Polyester Seal (50 µm)  | Polyethylene Seal       | Breathable Film            |
| Order info NON-STERILE                    | E2796-1100<br>100 Seals | E2796-0794<br>100 Seals | E2796-0101<br>100 Seals | E2796-0796<br>100 Seals | E2796-3005<br>100 Seals    |
| Order info STERILE                        | n/a                     | E2796-0714<br>100 Seals | E2796-0102<br>100 Seals | n/a                     | E2796-3015<br>2 x 25 Seals |
| Sterile option?                           | ✗                       | ✓                       | ✓                       | ✗                       | ✓                          |
| Colour                                    | Silver                  | Clear                   | Clear                   | Clear                   | White                      |
| Opaque                                    | ✓                       | ✗                       | ✗                       | ✗                       | ✗                          |
| Clear                                     | ✗                       | ✓                       | ✓                       | ✓                       | ✗                          |
| Short-term storage                        | ✓                       | ✓                       | ✓                       | ✓                       | ✓                          |
| Long-term storage and incubation          | ✓                       | ✓                       | ✓                       | ✗                       | ✗                          |
| Easy to pierce with needle or metal probe | ✓                       | ✗                       | ✗                       | ✓                       | ✓                          |
| Easy to pierce with pipette tip           | ✓                       | ✗                       | ✗                       | ✓                       | ✓                          |
| Resistant to DMSO                         | ✓                       | ✗                       | ✗                       | ✗                       | ✗                          |
| Gas permeable                             | ✗                       | ✗                       | ✗                       | ✗                       | ✓                          |
| Certified                                 | RNase, DNase            | RNase, DNase, Pyrogen   | ✗                       | ✗                       | RNase, DNase, Pyrogen      |
| No. of end tabs                           | 1                       | 2                       | 2                       | 1                       | 1                          |
| Seal thickness                            | 50 µm                   | 80 µm                   | 50 µm                   | 100 µm                  | 50 µm                      |
| Plate type compatibility                  | PP, PS, PC              | PP, PS                  | PP, PS                  | PS                      | PP, PS                     |
| Minimum temp. use                         | -80 °C                  | -40 °C                  | -40 °C                  | -40 °C                  | 4 °C                       |
| Maximum temp. use                         | 120 °C                  | 65 °C                   | 120 °C                  | 40 °C                   | 40 °C                      |

Plate type: PP = polypropylene, PS = polystyrene, PC = polycarbonate.

**Plate seals for PCR/qPCR can be found on page 86 & page 87.**

Some seals for PCR/qPCR are also suitable for long-term storage.

## Sealing Accessories.



### Seal Applicator

Polyethylene applicator for use with self-adhesive plate seals.

I2928-7355 / pack of 5



### Sealing Brayer

Soft rubber roller for use with self-adhesive plate seals.

E9127-2940 / each

# Reagent Reservoirs.

## StarTub PP



Reusable, high quality reagent reservoirs made from white polypropylene (PP). V-shaped bottom. Autoclavable.

Dimensions (WxDxH):  
147 x 60 x 33 mm

### StarTub PP

| Description                    | Volume   | Pack Size | Article No.       |
|--------------------------------|----------|-----------|-------------------|
| StarTub Reagent Reservoir (PP) | 50–60 ml | 10        | <b>S4026-5806</b> |

## StarTub PVC



Disposable, clear PVC reservoirs with V-shaped bottom for single use.

Dimensions (WxDxH):  
150 x 67 x 25 mm

### StarTub PVC

| Description                     | Volume | Pack Size | Article No.       |
|---------------------------------|--------|-----------|-------------------|
| StarTub Reagent Reservoir (PVC) | 55 ml  | 100       | <b>E2310-1000</b> |

## StarTub PS (polystyrene)



**25 ml PS, sterile** ind-wrapped reservoir with V-shaped bottom. Graduations.

(WxDxH): 145 x 70 x 26 mm

**55 ml PS, sterile** ind-wrapped reservoir with V-shaped bottom. Graduations.

(WxDxH): 149 x 65 x 26 mm

**100 ml PS** bulk packed reservoir with trough-shaped bottom. Graduations and corner pour spout.

(WxDxH): 144 x 85 x 33 mm

**100 ml PS, sterile** ind-wrapped reservoir with trough-shaped bottom. Graduations and corner pour spout.

(WxDxH): 146 x 82 x 35 mm

### StarTub PS

| Description                                           | Volume | Pack Size | Article No.       |
|-------------------------------------------------------|--------|-----------|-------------------|
| StarTub Reagent Reservoir (PS), (Sterile) Single-Wrap | 25 ml  | 50        | <b>E2310-1025</b> |
| StarTub Reagent Reservoir (PS), (Sterile) Single-Wrap | 55 ml  | 50        | <b>E2310-1010</b> |
| StarTub Reagent Reservoir (PS), (Sterile) Single Wrap | 100 ml | 50        | <b>E2310-1100</b> |
| StarTub Reagent Reservoir (PS), Bulk                  | 100 ml | 100       | <b>E2310-2000</b> |

## CAPP® Origami Reservoirs



Flat-packed durable polypropylene reservoirs ready for you to flick into shape.

The V-shaped bottom helps prevent bubbles forming and save on reagents.

### Capp® Origami

| Description                     | Volume | Pack Size | Article No.       |
|---------------------------------|--------|-----------|-------------------|
| CAPP® Origami Reagent Reservoir | 30 ml  | 50        | <b>E2310-0505</b> |
| CAPP® Origami Reagent Reservoir | 40 ml  | 50        | <b>E2310-0510</b> |

## 12-Channel Reservoir



Reusable, clear polypropylene reservoir with 12 x 22 ml troughs, each with 8 x pyramid bottoms.

Each trough is indexed with a moulded number.

Autoclavable.

Certified RNase, DNase & DNA free. Tested Endotoxin free.

Dimensions (WxDxH):  
128 x 87 x 44.5 mm

### 12-Channel Reservoir

| Description                  | Volume     | Pack Size | Article No.       |
|------------------------------|------------|-----------|-------------------|
| 12-Channel Reagent Reservoir | 12 x 22 ml | 5         | <b>E2310-1200</b> |

## MORE INFO

[www.starlab.click/reagentreservoirs](http://www.starlab.click/reagentreservoirs)



## ChannelMate™ Reservoirs

Reagent reservoir refills saves both waste and storage space. ChannelMate™ combines a sturdy reusable base with ultra-clear inserts to create a unique and plastic-saving refillable reservoir system.

Sterile, and RNase, DNase and pyrogen free.

### Features

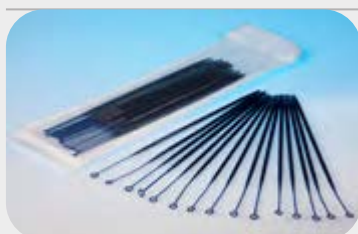
- Non-tipping, durable polystyrene base features high-contrast volume graduations
- Skirtless polystyrene inserts require up to 40% less plastic and create minimal waste
- Nested inserts save up to 65 % storage space compared to other reservoirs
- Two systems: 25 ml & 100 ml
- Bases and inserts available separately

| ChannelMate™                                   |                   |                   |
|------------------------------------------------|-------------------|-------------------|
| Description                                    | Pack Size         | Article No.       |
| <b>ChannelMate™ 25 ml System</b>               |                   |                   |
| 25 ml ChannelMate™ Reservoir System (Sterile)  | 200 <sup>1)</sup> | <b>E1306-2510</b> |
| 25 ml ChannelMate™ Insert (Sterile)            | 50                | <b>E1346-2510</b> |
| 25 ml ChannelMate™ Base                        | 10                | <b>E1306-2590</b> |
| <b>ChannelMate™ 100 ml System</b>              |                   |                   |
| 100 ml ChannelMate™ Reservoir System (Sterile) | 200 <sup>1)</sup> | <b>E1306-1010</b> |
| 100 ml ChannelMate™ Insert (Sterile)           | 50                | <b>E1346-1010</b> |
| 100 ml ChannelMate™ Base                       | 10                | <b>E1306-1090</b> |

<sup>1)</sup>Pack contains one base plus 200 inserts (supplied 4 bags of 50 inserts).

## Loops & Spreaders.

### Loops



Sterile polystyrene loops with very flexible loop, with rounded tip.

Batch and expiry date printed on the bag.

Supplied in peel-packs of 20 loops.

| Description                                         | Pack Size      | Article No.       |
|-----------------------------------------------------|----------------|-------------------|
| 0.1 µl Inoculation Loop, Soft Type (Sterile), Blue  | 1000 (50 x 20) | <b>E1412-0111</b> |
| 0.1 µl Inoculation Loop, Rigid Type (Sterile), Blue | 1000 (50 x 20) | <b>E1412-0112</b> |
| 10 µl Inoculation Loop, Soft Type (Sterile), Blue   | 1000 (50 x 20) | <b>E1412-1011</b> |
| 10 µl Inoculation Loop, Rigid Type (Sterile), Blue  | 1000 (50 x 20) | <b>E1412-1012</b> |

**NOTE:** Not recommended for colony counting.

### Spreaders

Convenient, easy to use disposable spreaders that offer superior safety. Particularly convenient for extensive test series.

Base length allows spreading over any type of petri dish and avoids contact with dish walls.

Spreader extremity is curved to avoid damaging media surface while spreading.

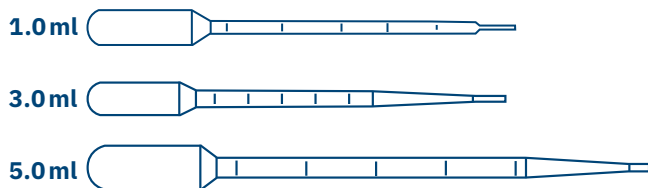
Lot No. and expiry printed on each pack.



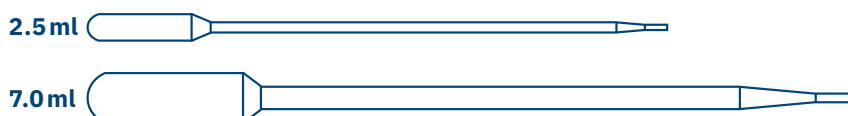
| Description                                                                   | Pack Size | Article No.       |
|-------------------------------------------------------------------------------|-----------|-------------------|
| L-Shaped Spreader, PS (Sterile), Blue, Individually Wrapped                   | 500       | <b>E1412-1001</b> |
| L-Shaped Spreader, PS (Sterile), Blue, Supplied in peel-packs of 5 spreaders  | 100 x 5   | <b>E1412-1005</b> |
| L-Shaped Spreader, PP (Sterile), Blue, Supplied in peel-packs of 25 spreaders | 20 x 25   | <b>E1410-1025</b> |

# Pasteur Pipettes.

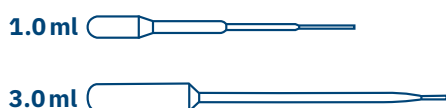
## STANDARD, GRADUATED PIPETTES



## EXTRA LONG PIPETTES



## FINE TIP PIPETTES



## Polyethylene pipettes

A range of polyethylene pipettes, manufactured to ISO standards.

### Features

- Sterile and non-sterile options
- Low affinity surface
- Attached bulb avoids cross-contamination
- One-step biohazard disposal
- Shatter-proof low-density polyethylene, which is non-toxic and inert
- Can be frozen in liquid nitrogen



Sterile bulk pipettes supplied in peel-back packs of 20 pipettes, with Lot. No. & expiry printed on pack.



Sterile individually wrapped pipettes in peel-back packs with Lot. No & expiry printed on pack.

## Order Information

| Description                                                   | Graduations | Length | Bulb Draw | Drop Volume        | Stem Diameter | Pack Size | Article No.       |
|---------------------------------------------------------------|-------------|--------|-----------|--------------------|---------------|-----------|-------------------|
| <b>Standard Pasteur Pipettes</b>                              |             |        |           |                    |               |           |                   |
| 1.0 ml Graduated Pasteur Pipette                              |             |        |           |                    |               | 500       | <b>E1414-0100</b> |
| 1.0 ml Graduated Pasteur Pipette (Sterile)                    | 0.25 ml     | 160 mm | 3.5 ml    | 15.2 µl            | 5.0 mm        | 25 x 20   | <b>E1414-0110</b> |
| 1.0 ml Graduated Pasteur Pipette (Sterile), Ind. Wrapped      |             |        |           |                    |               | 500       | <b>E1414-0111</b> |
| 3.0 ml Graduated Pasteur Pipette                              |             |        |           |                    |               | 500       | <b>E1414-0300</b> |
| 3.0 ml Graduated Pasteur Pipette (Sterile)                    | 0.5 ml      | 160 mm | 3.5 ml    | 15.4 µl            | 7.5 mm        | 25 x 20   | <b>E1414-0310</b> |
| 3.0 ml Graduated Pasteur Pipette (Sterile), Ind. Wrapped      |             |        |           |                    |               | 500       | <b>E1414-0311</b> |
| 5.0 ml Graduated Pasteur Pipette                              | 1.0 ml      | 210 mm | 6.2 ml    | Data not available | 8.0 mm        | 400       | <b>E1414-0500</b> |
| <b>XL Pasteur Pipettes</b>                                    |             |        |           |                    |               |           |                   |
| 2.5 ml XL Pasteur Pipette                                     | n/a         | 230 mm | 2.3 ml    | Data not available | 4.5 mm        | 400       | <b>E1414-2500</b> |
| 7.0 ml XL Pasteur Pipette                                     | n/a         | 300 mm | 10 ml     | Data not available | 8.5 mm        | 100       | <b>E1414-0700</b> |
| <b>Fine Tip Pasteur Pipettes</b>                              |             |        |           |                    |               |           |                   |
| 1.0 ml Micro Fine Tip Pasteur Pipette                         |             |        |           |                    |               | 400       | <b>E1414-1100</b> |
| 1.0 ml Micro Fine Tip Pasteur Pipette (Sterile), Ind. Wrapped | n/a         | 104 mm | 1.0 ml    | 15.2 µl            | 5.9 mm        | 500       | <b>E1414-1111</b> |
| 3.0 ml Fine Tip Pasteur Pipette                               |             |        |           |                    |               | 500       | <b>E1414-1300</b> |
| 3.0 ml Fine Tip Pasteur Pipette (Sterile)                     | n/a         | 150 mm | 3.5 ml    | 15.4 µl            | 4.4 mm        | 25 x 20   | <b>E1414-1310</b> |
| 3.0 ml Fine Tip Pasteur Pipette (Sterile), Ind. Wrapped       |             |        |           |                    |               | 500       | <b>E1414-1311</b> |

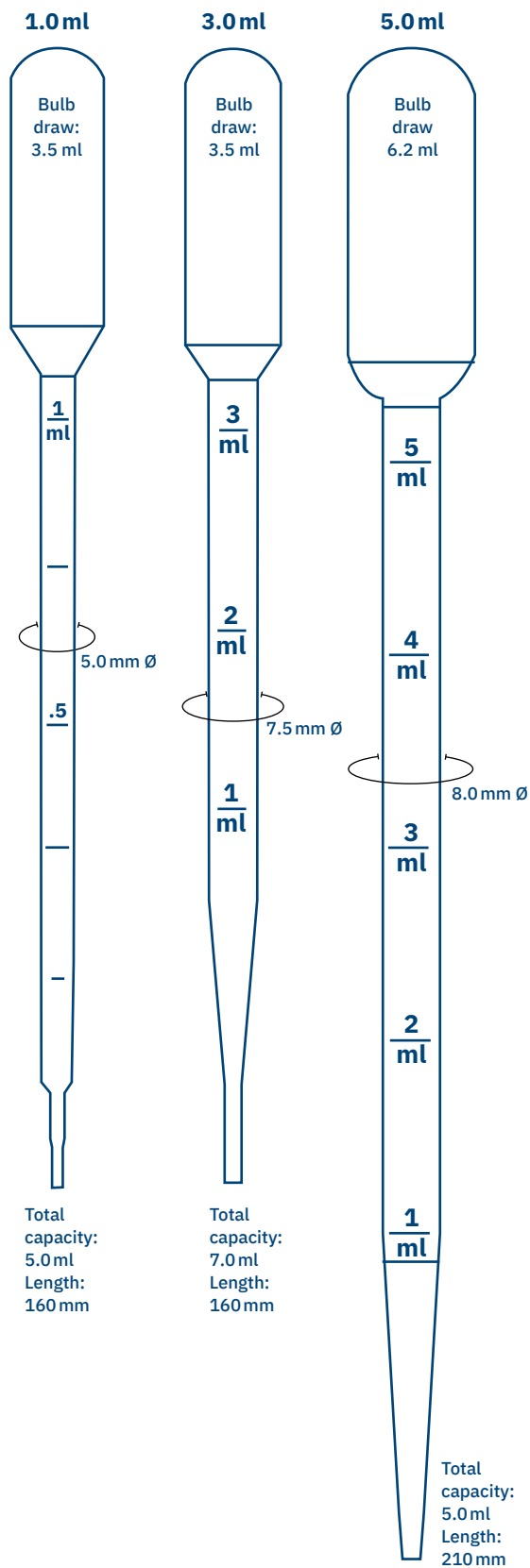
**NOTE:** Volumetric tolerance of all pipettes is  $\pm 10\%$ .

## MORE INFO

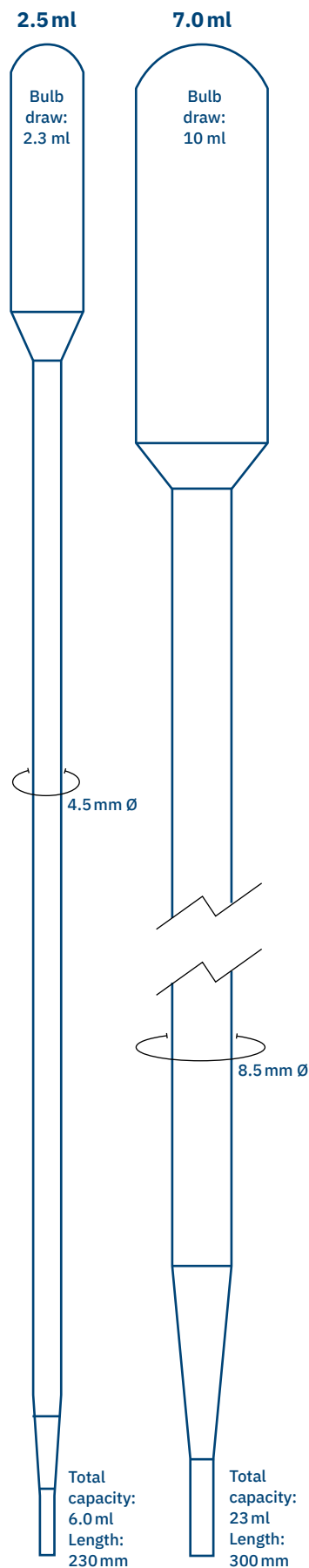
[www.starlab.click/pasteurs](http://www.starlab.click/pasteurs)



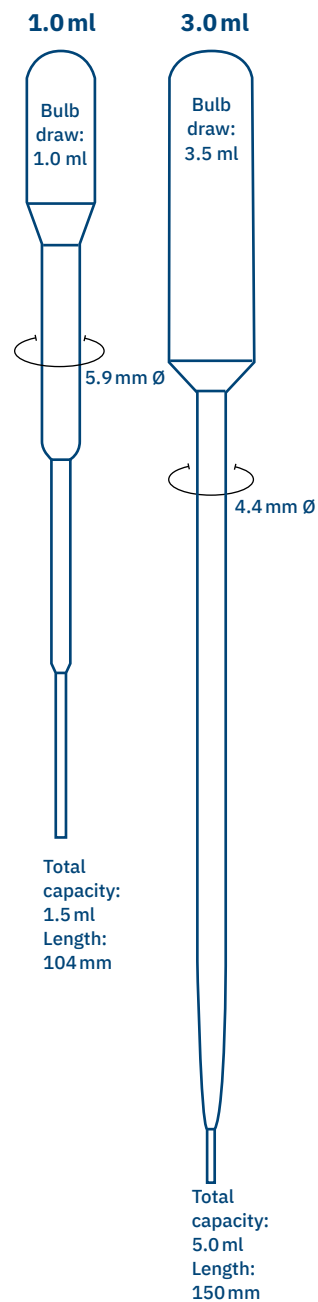
## GRADUATED PIPETTES



## XL PIPETTES



## FINE TIP



Pipette illustrations shown at approximate actual size. Drawings are not to scale. 7.0 ml XL pipette has been shortened to fit on page.

# Parafilm® Sealing Film.

I 3080-1075



I 3080-5075

## Colourless and moisture-proof sealing film

### Parafilm®

| Description                         | Pack Size | Article No.       |
|-------------------------------------|-----------|-------------------|
| Parafilm® (50 mm Wide x 75 m Long)  | 1 Roll    | <b>I3080-5075</b> |
| Parafilm® (100 mm Wide x 38 m Long) | 1 Roll    | <b>I3080-1038</b> |
| Parafilm® (100 mm Wide x 75 m Long) | 1 Roll    | <b>I3080-1075</b> |

### MORE INFO

[www.starlab.click/parafilm](http://www.starlab.click/parafilm)

# Cuvettes.



E1412-4150



E1412-4250

## Standard polystyrene cuvettes

Suitable for assays in the visible spectral range 340 to 750 nm. Supplied in a polystyrene rack with lid for safe storage.

### Cuvettes

| Description                                     | Pack Size | Article No.       |
|-------------------------------------------------|-----------|-------------------|
| 1.5 ml SemiMicro Cuvette, Square, Polystyrene   | 5 x 100   | <b>E1412-4150</b> |
| 2.5 ml SemiMicro Cuvette, Square, UV Grade PMMA | 5 x 100   | <b>E1412-4250</b> |



## Spatulas & Weigh Boats.

Why risk the potential of cross-contamination with conventional spatulas! These single-use, polypropylene spatulas increase efficiency and reduce the risk of costly, accidental cross-contamination. Autoclavable. All spatulas feature a scoop at one end and a spatula on the other, except E1412-7200 which has a double ended micro tip.

### Spatulas

|                                                                                   | For use with               | Description                           | Pack Size | Article No.       |
|-----------------------------------------------------------------------------------|----------------------------|---------------------------------------|-----------|-------------------|
|  | 0.2 and 0.5 ml tubes       | 140 mm SmartSpatula*, Anti-Static     | 300       | <b>E1412-7200</b> |
|                                                                                   | 1.5/2.0 ml and 15 ml tubes | 140 mm EcoSpatula*, White             | 300       | <b>E1412-7201</b> |
|                                                                                   | 1.5/2.0 ml and 15 ml tubes | 210 mm SmartSpatula*, Blue            | 300       | <b>E1412-7202</b> |
|                                                                                   | 1.5/2.0 ml and 15 ml tubes | 210 mm SmartSpatula*, White           | 300       | <b>E1412-7203</b> |
|                                                                                   | 1.5/2.0 ml and 15 ml tubes | 210 mm SmartSpatula*, White (Sterile) | 100       | <b>E1412-7204</b> |
|                                                                                   | 50 ml tubes                | 310 mm SmartSpatula*, Green           | 150       | <b>E1412-7205</b> |

EcoSpatula\* is made with EcoPure additive which helps promote biodegradation.

Spatulas feature a scoop at one end and a spatula on the other, except E1412-7200 which has a double ended micro tip

### Weigh Boats

|                                                                                     | Description                              | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------|------------------------------------------|-----------|-------------------|
|  | <b>White Weigh Boats</b>                 |           |                   |
|                                                                                     | 5.0 ml Diamond Weigh Boat (40 x 60 mm)   | 4 x 250   | <b>E3300-0050</b> |
|                                                                                     | 7.0 ml Square Weigh Boat (44 x 44 mm)    | 4 x 250   | <b>E3300-0070</b> |
|                                                                                     | 30 ml Diamond Weigh Boat (65 x 87 mm)    | 2 x 250   | <b>E3300-0030</b> |
|                                                                                     | 100 ml Square Weigh Boat (80 x 80 mm)    | 4 x 250   | <b>E3300-0010</b> |
|                                                                                     | 100 ml Diamond Weigh Boat (126 x 100 mm) | 250       | <b>E3300-0011</b> |
|                                                                                     | 250 ml Square Weigh Boat (138 x 138 mm)  | 4 x 250   | <b>E3300-0025</b> |
|                                                                                     | <b>Black Weigh Boats</b>                 |           |                   |
|                                                                                     | 5.0 ml Diamond Weigh Boat (40 x 60 mm)   | 4 x 250   | <b>E3300-0058</b> |
|                                                                                     | 7.0 ml Square Weigh Boat (44 x 44 mm)    | 4 x 250   | <b>E3300-0078</b> |
|                                                                                     | 30 ml Diamond Weigh Boat (65 x 87 mm)    | 2 x 250   | <b>E3300-0038</b> |
|                                                                                     | 100 ml Square Weigh Boat (80 x 80 mm)    | 4 x 250   | <b>E3300-0018</b> |
|                                                                                     | 100 ml Diamond Weigh Boat (126 x 100 mm) | 250       | <b>E3300-0118</b> |
|                                                                                     | 250 ml Square Weigh Boat (138 x 138 mm)  | 4 x 250   | <b>E3300-0028</b> |

Manufactured from high impact polystyrene. Non wettable with smooth surface and rounded corners. Wide rim boats, all with flat bottoms. Anti-static treatment minimises powder hang-up.

Available in white or black.

Spatulas/Weigh Boats/Labeling

## Cryogenic Labels.

E9189-0099



StarTags CRYO

38 x 15 mm

9.5 mm  
Ø

### Pre-cut labels for ultra-low temperatures

- Temperature use: -196 °C to 100 °C
- Use on polypropylene, glass, polycarbonate and metal
- Brightly coloured spots mean you can identify your samples whilst they are still in the box!

### Cryogenic Labels

| Description                         | Pack Size   | Article No.       |
|-------------------------------------|-------------|-------------------|
| 9.5 mm diam. Cryogenic Spots, Mixed | 5000 / Roll | <b>E9189-0099</b> |
| StarTag Cryo (38 x 15 mm), White    | 1000 / Roll | <b>E9189-3009</b> |

**NOTE:** Labels must be applied to dry, unfrozen sample vials etc at room temperature.

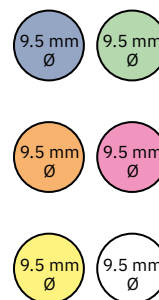
# Laboratory Labels.



## StarTags

- Suitable for autoclaving, boiling and freezing down to -85 °C
- Sticks permanently to all forms of tubes, plates, vials and bottles
- Leaves no sticky residue once removed

## SPOTS for the tops of tube caps for 1.5/2.0 ml tubes



## Laboratory Labels

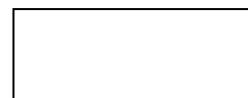
| Description            | Colour | Pack Type       | Labels per Pack   | Article No.       |
|------------------------|--------|-----------------|-------------------|-------------------|
| 9.5 mm diam. Spots     | Blue   | Roll            | 2000              | <b>E9185-0001</b> |
| 9.5 mm diam. Spots     | Green  | Roll            | 2000              | <b>E9185-0002</b> |
| 9.5 mm diam. Spots     | Orange | Roll            | 2000              | <b>E9185-0003</b> |
| 9.5 mm diam. Spots     | Red    | Roll            | 2000              | <b>E9185-0004</b> |
| 9.5 mm diam. Spots     | Yellow | Roll            | 2000              | <b>E9185-0006</b> |
| 9.5 mm diam. Spots     | White  | Roll            | 2000              | <b>E9185-0009</b> |
| Large (32.5 x 12.5 mm) | White  | Roll            | 1000              | <b>E9187-1009</b> |
| Large (32.5 x 12.5 mm) | White  | A4 Laser Sheets | 1980 <sup>1</sup> | <b>E9187-2016</b> |
| Medium (24 x 12.5 mm)  | White  | Roll            | 1000              | <b>E9188-1009</b> |
| Medium (24 x 12.5 mm)  | White  | A4 Laser Sheets | 2016 <sup>2</sup> | <b>E9185-2240</b> |
| Small (20 x 6.0 mm)    | White  | Roll            | 1000              | <b>E9188-8699</b> |

**NOTE:** Labels must be applied to dry, unfrozen samples at room temperature. StarTags are not suitable for use with low-retention/siliconised tubes. A4 Laser Sheets are supplied with set-up instructions for MS Word and these can be downloaded from the STARLAB website. Sheet labels are only suitable for use with laser printers and cannot be used with bubble jet printers.

<sup>1</sup> 90 labels per sheet / 22 sheets per pack    <sup>2</sup> 126 labels per sheet / 16 sheets per pack

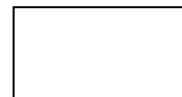
All labels shown actual size

## LARGE for 1.5 ml/2.0 ml tubes



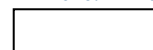
32.5 x 12.5 mm

## MEDIUM for 0.5 ml/0.65 ml



24 x 12.5 mm

## SMALL for 0.2 ml tubes



20 x 6 mm

## StarTags dispenser

Blue acrylic dispenser that holds up to seven boxes of StarTags. Rubber feet on base prevents slipping.



## Labels Dispenser

| Description                            | Article No.       |
|----------------------------------------|-------------------|
| StarTags Acrylic Dispenser             | <b>E9199-0000</b> |
| Dimensions (WxDxH): 280 x 120 x 89 mm. |                   |

## Fine Point Pen

| Description                              | Article No.       |
|------------------------------------------|-------------------|
| Fine Point Pen for use with all StarTags | <b>E9186-9987</b> |

## MORE INFO

[www.starlab.click/startags](http://www.starlab.click/startags)



# Laboratory ID Tape.



1. 12.7 m roll with small internal aperture (25 mm)
2. 55 m roll with large internal aperture (75 mm)

## ID Tape Features

- Suitable for use in the freezer, the fridge, the incubator and in the autoclave (-20 °C to 121 °C)
- Use on glass, plastic, metal, paper, rubber and any other dry surface
- Oil, water and acid resistant
- Paper-based tape that can be written on with pen, pencil or Lab Marker
- Leaves no adhesive residue when removed
- Available in individual rolls or in economical multi-packs of eight (one of each colour)

## Order Information

## 8-Pack

|                    |            |  |            |            |            |            |            |            |            |                     |
|--------------------|------------|------------------------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|---------------------|
| Tape Length        | Tape Width | Blue                                                                               | Green      | Orange     | Red        | Violet     | Yellow     | Pink       | White      | Mixed <sup>1)</sup> |
| 12.7 m             | 12.7 mm    | E9127-1271                                                                         | E9127-1272 | E9127-1273 | E9127-1274 | E9127-1275 | E9127-1276 | E9127-1270 | E9127-1279 | E9127-1278          |
|                    | 19.0 mm    | E9127-1911                                                                         | E9127-1912 | E9127-1913 | E9127-1914 | E9127-1915 | E9127-1916 | E9127-1910 | E9127-1919 | E9127-1918          |
|                    | 25.4 mm    | E9127-2501                                                                         | E9127-2502 | E9127-2503 | E9127-2504 | E9127-2505 | E9127-2506 | E9127-2500 | E9127-2509 | E9127-2508          |
| 55 m <sup>2)</sup> | 12.7 mm    | E9055-1271                                                                         | E9055-1272 | E9055-1273 | E9055-1274 | E9055-1275 | E9055-1276 | E9055-1270 | E9055-1279 | E9055-1278          |
|                    | 19.0 mm    | E9055-1911                                                                         | E9055-1912 | E9055-1913 | E9055-1914 | E9055-1915 | E9055-1916 | E9055-1910 | E9055-1919 | E9055-1918          |
|                    | 25.4 mm    | E9055-2501                                                                         | E9055-2502 | E9055-2503 | E9055-2504 | E9055-2505 | E9055-2506 | E9055-2500 | E9055-2509 | E9055-2508          |

<sup>1)</sup> Mixed pack of 8 rolls, contains one of each colour.

<sup>2)</sup> 55 m long tape requires a core insert for use in the STARLAB dispenser.

## MORE INFO

[www.starlab.click/idthape](http://www.starlab.click/idthape)



## ID Tape Dispenser

| Description                                                     | Article No. |
|-----------------------------------------------------------------|-------------|
| ID Tape Dispenser (Pack comprises 1 Dispenser & 5 Core Inserts) | E9026-0000  |
| ID Tape Core Inserts, Pack of 5 (For use with 55 m long tapes)  | E9026-2005  |

Dispenser dimensions (WxDxH):  
205 x 185 x 125 mm.

## ID Tape Dispenser

- One dispenser fits all! The acrylic dispenser holds both lengths of tape
- Suction feet ensure the dispenser stays firmly on the bench, even when using one hand to dispense the tape
- Extra core inserts for 55 m long tapes available separately



### 1. 12.7 m Tape:

The internal aperture of the smaller rolls fit in the dispenser without the need for a Core Insert

### 2. 55 m Tape:

The large rolls must have a Core Insert pushed into the aperture for use in the dispenser

### 3. Core Insert

## MORE INFO

[www.starlab.click/id-dispenser](http://www.starlab.click/id-dispenser)

# Brady® M210-LAB Label Printer.



## Features

- Easy load label cartridge with high quality label materials designed specifically for the laboratory environment
- 133 symbols: Greek, arrows, warning signs, miscellaneous symbols
- Barcoding options: Code 128, Code 39, Data Matrix, QR codes
- Auto-label function cuts label according to the size of the vial
- Automated serialisation
- Create labels easily with on-board label design wizards
- Save up to 12 label styles for future use
- Time and date stamp
- Three-line LCD display for clear visibility
- Automatic shut-off saves life of the batteries

## Printer Specifications

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| <b>Print Method / Resolution</b> | Thermal Transfer (Durable. Non-Smearing). 203 dpi |
| <b>Display</b>                   | 3-line LCD                                        |
| <b>Label Type</b>                | Continuous                                        |
| <b>Max. Labels per day</b>       | 100                                               |
| <b>Max. Label Width</b>          | 19 mm (max print width 16 mm)                     |
| <b>Print speed</b>               | 10 mm per second                                  |
| <b>Barcoding</b>                 | Code 128. Code 39. Data Matrix. QR Code.          |
| <b>Symbols</b>                   | Greek. Arrows. Miscellaneous. Warning             |
| <b>Keyboard</b>                  | ABC                                               |
| <b>Memory</b>                    | Stores 12 files                                   |
| <b>Power Source</b>              | 6 x AA Batteries (not incl.)                      |
| <b>Battery life</b>              | ~1800 x 2.5 cm long labels                        |
| <b>Weight</b>                    | 0.7 kg                                            |
| <b>Dimensions</b>                | 115 x 241 mm                                      |

## MORE INFO

[www.starlab.click/brady](http://www.starlab.click/brady)

## M210-LAB Label Printer

### Description

Brady® M210-LAB Blister Pack

### Article No.

**N3000-2000**

Blister pack comprises: Printer, Quick Start Guide and one (N7519-7425) label cartridge ready installed. The M210-LAB printer is designed for portability and runs on 6 x AA batteries (not included). 2-year warranty.





# Brady® M210-LAB Printer Cartridges.

## Order Information

## Label Applications

| Description                       | Colour   | Width   | Article No.        | Freezer                                                                                         | Liquid Nitrogen<br>(-196 °C) | Autoclave<br>(121 °C) | Hot Water Baths<br>(100 °C) | Low-Profile<br>(extremely thin) | Barcoding | For the labelling of:                                                               |        |        |
|-----------------------------------|----------|---------|--------------------|-------------------------------------------------------------------------------------------------|------------------------------|-----------------------|-----------------------------|---------------------------------|-----------|-------------------------------------------------------------------------------------|--------|--------|
|                                   |          |         |                    |                                                                                                 |                              |                       |                             |                                 |           | Vials                                                                               | Slides | Plates |
| B-595 Vinyl                       | Various* | 9.5 mm  | <b>N3795-439#*</b> | -40 °C min.                                                                                     |                              |                       |                             |                                 |           | 0.5 ml                                                                              |        | ✓      |
|                                   | White    | 9.5 mm  | <b>N3795-4399</b>  |                                                                                                 |                              |                       |                             |                                 |           | 0.5 ml                                                                              |        | ✓      |
| B-461 Polyester <sup>1</sup>      | White    | 9.5 mm  | <b>N3795-4619</b>  | -80 °C min.                                                                                     | ✓                            | ✓                     | ✓                           | ✓                               |           | 0.5 ml                                                                              |        | ✓      |
|                                   |          | 12.7 mm | <b>N5127-4619</b>  |                                                                                                 | ✓                            | ✓                     | ✓                           | ✓                               |           | 1.5 ml                                                                              |        | ✓      |
|                                   |          | 19.1 mm | <b>N7519-4619</b>  |                                                                                                 | ✓                            | ✓                     | ✓                           | ✓                               | ✓         | 2.0 – 50 ml                                                                         |        | ✓      |
| B-488 Polyester                   | White    | 9.5 mm  | <b>N3795-4889</b>  | -80 °C min.                                                                                     |                              | ✓                     |                             |                                 |           | 0.5 ml                                                                              | ✓      | ✓      |
|                                   |          | 12.7 mm | <b>N5127-4889</b>  |                                                                                                 |                              | ✓                     |                             |                                 |           | 1.5 ml                                                                              | ✓      | ✓      |
|                                   |          | 19.1 mm | <b>N7519-4889</b>  |                                                                                                 |                              | ✓                     |                             |                                 | ✓         | 2.0 – 50 ml                                                                         | ✓      | ✓      |
| B-499 Nylon <sup>1</sup>          | White    | 9.5 mm  | <b>N3795-4999</b>  | -80 °C min.                                                                                     | ✓                            | ✓                     |                             |                                 |           | 0.5 ml                                                                              | ✓      | ✓      |
|                                   |          | 12.7 mm | <b>N5127-4999</b>  |                                                                                                 | ✓                            | ✓                     |                             |                                 |           | 1.5 ml                                                                              | ✓      | ✓      |
|                                   |          | 19.1 mm | <b>N7519-4999</b>  |                                                                                                 | ✓                            | ✓                     |                             |                                 | ✓         | 2.0 – 50 ml                                                                         | ✓      | ✓      |
| B-7425 Polypropylene <sup>1</sup> | White    | 9.5 mm  | <b>N3795-7425</b>  | -80 °C min.                                                                                     | ✓                            | ✓                     | ✓                           |                                 |           | 0.5 ml                                                                              | ✓      | ✓      |
|                                   |          | 12.7 mm | <b>N5127-7425</b>  |                                                                                                 | ✓                            | ✓                     | ✓                           |                                 |           | 1.5 ml                                                                              | ✓      | ✓      |
|                                   |          | 19.1 mm | <b>N7519-7425</b>  |                                                                                                 | ✓                            | ✓                     | ✓                           |                                 | ✓         | 2.0 – 50 ml                                                                         | ✓      | ✓      |
| B-423 Polyester                   | White    | 19.1 mm | <b>N7519-4239</b>  | -80 °C min.                                                                                     |                              | ✓                     | ✓                           |                                 | ✓         | 2.0 – 50 ml                                                                         | ✓      | ✓      |
| B-430 Polyester                   | Clear    | 19.1 mm | <b>N7519-4300</b>  | -80 °C min.                                                                                     |                              | ✓                     | ✓                           |                                 | ✓         | 2.0 – 50 ml                                                                         | ✓      | ✓      |
| B-403 Paper Water Dissolvable     | White    | 19.1 mm | <b>N7519-4039</b>  | For temporary labelling/barcoding. Label dissolves within 30 seconds of contact with warm water |                              |                       |                             |                                 | ✓         | eg. Erlenmeyer Flasks, or any reusable container that requires frequent relabelling |        |        |

\*To order colour required, replace # as last digit of Article No. with: 1 for blue, 2 for green, 4 for red, 6 for yellow.

<sup>1</sup>Acceptable for use in liquid nitrogen only if the ends of the label overlap.

All labels 6.4 m long, except B-499 Nylon which are 4.8 m long.

All printer cartridges suitable for use with Brady printers: M210-LAB, LabPal™, BMP™21, BMP™21-PLUS.

## MORE INFO

[www.starlab.click/brady](http://www.starlab.click/brady)

## Label Material Specifications

|                                         |                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>B-595 Vinyl</b>                      | Durable and flexible vinyl film, with permanent acrylic pressure-sensitive adhesive that can be applied at cold temperatures (down to -18 °C). Sticks to irregular, rough and curved surfaces. Good Chemical Resistance. Gloss finish.<br>Uses: ► Freezer (-40 °C)                                                   |
| <b>B-461 Polyester<sup>1</sup></b>      | Ultra-thin to prevent vials jamming in centrifuge or racks. Good solvent resistance. Smudge resistant. Stays put even in the harshest conditions. For use on smooth surfaces. Matt finish<br>Uses: ► Liquid nitrogen (-196 °C). ► Freezer (-80 °C). ► Hot water bath (100 °C). ► Autoclave (121 °C).                 |
| <b>B-488 Polyester</b>                  | Permanent adhesion, outstanding chemical resistance (DMSO, ethanol and short term xylene exposure) and write-on capabilities, this material performs in the very harshest lab environments. For use on smooth surfaces. Matt finish.<br>Uses: ► Freezer (-80 °C). ► Autoclave (121 °C).                              |
| <b>B-499 Nylon</b>                      | Ideal for general purpose labelling, the permanent adhesive and thicker construction makes this material durable yet easy to handle. Good chemical resistance. Use on smooth or textured/rough surfaces. Matt finish.<br>Uses: ► Liquid nitrogen (-196 °C) (not on glass). ► Freezer (-80 °C). ► Autoclave (121 °C). |
| <b>B-7425 Polypropylene<sup>1</sup></b> | Resistant to extremely low and high temperatures and will even withstand a transfer from liquid nitrogen to boiling water. Permanent acrylic adhesive. For use on smooth surfaces. Matt finish.<br>Uses: ► Liquid nitrogen (-196 °C). ► Freezer (-80 °C). ► Hot water bath (100 °C). ► Autoclave (121 °C).           |
| <b>B-423 Polyester</b>                  | Aggressive, permanent acrylic adhesive for use in harsh environments. Heat resistant. Gloss finish.<br>Uses: ► Freezer (-80 °C). ► Hot water bath (100 °C). ► Autoclave (121 °C).                                                                                                                                    |
| <b>B-430 Polyester</b>                  | Aggressive, permanent acrylic adhesive for use in harsh environments. Heat resistant. Black print on clear label. Gloss finish.<br>Uses: ► Freezer (-80 °C). ► Hot water bath (100 °C). ► Autoclave (121 °C).                                                                                                        |
| <b>B-403 Paper Water Dissolvable</b>    | Removable, water dissolvable label with acrylic adhesive that leaves no residue on glass, stainless steel, aluminium, plastic and most other surfaces. Matt finish. Use for the temporary labelling or barcoding of reusable items that require frequent relabelling.                                                |

<sup>1</sup>Acceptable for use in liquid nitrogen only if the ends of the label overlap.



# Notes.

# PCR Consumables.



## PCR TUBES

PCR Tubes .....76

## PCR STRIPS

PCR/qPCR Strips .....77

Rotor-Gene® Style

PCR Strips & Discs. ....79

## PCR PLATES

Rigid-Frame PCR/qPCR Plates .....80

Non-Skirted PCR/qPCR Plates .....81

Semi-Skirted PCR/qPCR Plates .....82

Skirted PCR Plates .....83

384-Well PCR/qPCR Plates .....84

Barcoded PCR/qPCR Plates .....85

## PLATE SEALING

Plate Sealing for PCR .....86

Plate Sealing for PCR/qPCR .....87

Plate Sealing Accessories.....88

# PCR Tubes.

## Single tubes

- Ultra-thin, uniform walls ensure optimal heat transfer
- Choice of cap styles: domed, flat or Xtra-Clear for qPCR
- Positive click on closing gives assurance tubes are fully closed
- Compatible with most thermal cyclers
- Supplied in resealable bags
- Certified free of RNase, DNase, DNA and PCR Inhibitors
- Tested Pyrogen free



Natural tubes



Mixed packs contain blue, green red, violet and yellow tubes

### 0.2 ml PCR Tubes

| Description                                  | Colour  | Pack Size | Article No.       |
|----------------------------------------------|---------|-----------|-------------------|
| <b>Domed Caps</b>                            |         |           |                   |
| 0.2 ml PCR Tube, Domed Cap                   | Natural | 1000      | <b>I1402-4300</b> |
| 0.2 ml PCR Tube, Domed Cap                   | Mixed*  | 5 x 200   | <b>I1402-4308</b> |
| <b>Flat Caps</b>                             |         |           |                   |
| 0.2 ml PCR Tube, Flat Cap                    | Natural | 1000      | <b>I1402-8100</b> |
| 0.2 ml PCR Tube, Flat Cap                    | Mixed*  | 5 x 200   | <b>I1402-8108</b> |
| <b>Flat Caps (Xtra-Clear) for qPCR</b>       |         |           |                   |
| 0.2 ml PCR Tube, Flat Cap (X-Clear) for qPCR | Natural | 1000      | <b>I1402-8200</b> |

The integral shield on the cap prevents accidental finger contamination with the surface of the lid.



### 0.2 ml PCR Tubes, Shielded Cap

| Description                         | Colour  | Pack Size | Article No.       |
|-------------------------------------|---------|-----------|-------------------|
| 0.2 ml PCR Tube, Domed Shielded Cap | Natural | 1000      | <b>S1602-4300</b> |
| 0.2 ml PCR Tube, Flat Shielded Cap  | Natural | 1000      | <b>B1402-5500</b> |

These tubes are certified free of RNase, DNase, DNA and Pyrogens.

### 0.5 ml PCR Tubes

| Description                | Colour  | Pack Size | Article No.       |
|----------------------------|---------|-----------|-------------------|
| <b>Domed Caps</b>          |         |           |                   |
| 0.5 ml PCR Tube, Domed Cap | Natural | 1000      | <b>I1405-8200</b> |
| <b>Flat Caps</b>           |         |           |                   |
| 0.5 ml PCR Tube, Flat Cap  | Natural | 1000      | <b>I1405-8100</b> |
| 0.5 ml PCR Tube, Flat Cap  | Mixed*  | 5 x 200   | <b>I1405-8108</b> |

Order by the case (x10 packs).

## MORE INFO

[www.starlab.click/pcrtubes](http://www.starlab.click/pcrtubes)

\* Mixed packs contain: blue, green, red, violet and yellow.

# PCR/qPCR Strips.

## Strip tubes and strip caps

- Ultra-thin, uniform walls ensure optimal heat transfer
- Tube strips can be cut or snapped into smaller strips

- Supplied in resealable bags to minimise contamination risk
- Certified free of RNase, DNase, DNA and PCR Inhibitors
- Tested Pyrogen free

### WHITE TUBES FOR qPCR

Opaque white tubes show low auto-fluorescence with chemiluminescence detectors. White tubes also increase signal yield.



**Low-Profile Strips (0.1 ml):** 16 mm high, for use in cyclers with low-profile capability only.

**Standard Strips (0.2 ml):** 20.8 mm high, for use in the majority of cyclers.



## MORE INFO

[www.starlab.click/pcrstrips](http://www.starlab.click/pcrstrips)



\* Mixed packs contain: blue, green, red, violet and yellow.

## 8-Strip Tube & Cap Combo Packs

| Description                                                                       | Colour          | Pack Size | Cat. No    |
|-----------------------------------------------------------------------------------|-----------------|-----------|------------|
| 0.1 ml 8-Strip PCR Tubes, Low-Profile, and 8-Strip PCR Caps, Flat (X-Clear)       | Natural         | 125 Pairs | I1402-4700 |
| 0.2 ml 8-Strip PCR Tubes and 8-Strip PCR Caps, Domed                              | Natural         | 125 Pairs | I1402-6700 |
| 0.2 ml 8-Strip PCR Tubes and 8-Strip PCR Caps, Flat (X-Clear)                     | Natural         | 125 Pairs | I1402-5700 |
| <b>White tubes for qPCR</b>                                                       |                 |           |            |
| 0.1 ml 8-Strip White PCR Tubes, Low-Profile, and 8-Strip PCR Caps, Flat (X-Clear) | White / Natural | 125 Pairs | I1409-4700 |
| 0.2 ml 8-Strip White PCR Tubes, and 8-Strip PCR Caps, Flat (X-Clear)              | White / Natural | 125 Pairs | I1409-5700 |

**NOTE:** Tube and cap strips of the Combo Packs are supplied non-assembled in separate bags.

## 8-Strip Tubes & Caps (sold separately)

| Description                            | Colour  | Pack Size | Cat. No    |
|----------------------------------------|---------|-----------|------------|
| <b>TUBES ONLY</b>                      |         |           |            |
| 0.1 ml 8-Strip PCR Tubes, Low-Profile  | Natural | 125       | I1402-3600 |
| 0.2 ml 8-Strip PCR Tubes               | Natural | 125       | I1402-3500 |
| 0.2 ml 8-Strip PCR Tubes               | Mixed*  | 5 x 25    | I1402-3508 |
| <b>White tubes for qPCR</b>            |         |           |            |
| 0.1 ml 8-Strip PCR Tubes, Low-Profile  | White   | 125       | I1402-3609 |
| 0.2 ml 8-Strip PCR Tubes               | White   | 125       | I1402-3509 |
| <b>CAPS ONLY</b>                       |         |           |            |
| 8-Strip PCR Caps, Domed                | Natural | 125       | I1400-0800 |
| 8-Strip PCR Caps, Domed                | Mixed*  | 5 x 25    | I1400-0808 |
| 8-Strip PCR Caps, Domed, Perfect Seal  | Mixed*  | 5 x 25    | I1400-0810 |
| 8-Strip PCR Caps, Domed, Perfect Seal  | Mixed*  | 5 x 25    | I1400-0801 |
| <b>Flat Caps (Xtra-Clear) for qPCR</b> |         |           |            |
| 8-Strip PCR Caps, Flat (Xtra-Clear)    | Natural | 125       | I1400-0900 |

**NOTE:** Cap strips can also be used to seal Starlab PCR plates.

## 12-Strip Tubes & Caps (sold separately)

| Description                            | Colour              | Pack Size | Cat. No    |
|----------------------------------------|---------------------|-----------|------------|
| <b>TUBES ONLY</b>                      |                     |           |            |
| 0.2 ml 12-Strip PCR Tubes              | Natural             | 80        | I1402-1200 |
| 0.2 ml 12-Strip PCR Tubes              | Mixed <sup>1)</sup> | 5 x 16    | I1402-1208 |
| <b>CAPS ONLY</b>                       |                     |           |            |
| 12-Strip PCR Caps, Domed               | Natural             | 80        | I1400-1200 |
| 12-Strip PCR Caps, Domed               | Mixed <sup>1)</sup> | 5 x 16    | I1400-1208 |
| <b>Flat Caps (Xtra-Clear) for qPCR</b> |                     |           |            |
| 12-Strip PCR Caps, Flat (Xtra-Clear)   | Natural             | 80        | I1400-1290 |

**NOTE:** Cap strips can also be used to seal Starlab PCR plates.

# PCR/qPCR Strips.

## Tube strips with attached caps

- Ultra-thin, uniform walls ensure optimal heat transfer
- Cuttable! Tube strips can be cut or snapped into smaller strips
- Opaque white tubes and Xtra-Clear caps for qPCR



- Supplied in resealable bags to minimise contamination risk
- Certified free of RNase, DNase, DNA and PCR Inhibitors
- Tested Pyrogen free

### WHITE TUBES FOR qPCR

Opaque white tubes show low auto-fluorescence with chemiluminescence detectors. White tubes also increase signal yield.

## Strip Tubes with Individually Attached Caps

| Description                                                                | Colour               | Pack Size | Cat. No           |
|----------------------------------------------------------------------------|----------------------|-----------|-------------------|
| <b>Domed Caps</b>                                                          |                      |           |                   |
| 0.2 ml 8-Strip PCR Tubes, Ind-Attached Domed Caps                          | Natural              | 120       | <b>I1402-2900</b> |
| 0.2 ml 8-Strip PCR Tubes, Ind-Attached Domed Caps                          | Mixed <sup>(1)</sup> | 5 x 24    | <b>I1402-2908</b> |
| <b>Flat Caps (Xtra-Clear) for qPCR</b>                                     |                      |           |                   |
| 0.1 ml 8-Strip PCR Tubes, Ind-Attached Flat Caps (Xtra-Clear), Low-Profile | Natural              | 120       | <b>A1402-3800</b> |
| 0.2 ml 8-Strip PCR Tubes, Ind-Attached Flat Caps (Xtra-Clear)              | Natural              | 120       | <b>A1402-3700</b> |

Integral shield on the cap prevents accidental finger contamination with the surface of the lid.

## Strip Tubes with Individually Attached, Shielded Caps

| Description                                                         | Colour  | Pack Size | Cat. No           |
|---------------------------------------------------------------------|---------|-----------|-------------------|
| 0.2 ml 8-Strip PCR Tubes, Individually Attached Domed Shielded Caps | Natural | 120       | <b>S1602-2900</b> |

These tubes are certified RNase, DNase, DNA and Pyrogen free.

**Low-Profile Strips (0.1 ml):** 16 mm high, for use in cyclers with low-profile capability only.

**Standard Strips (0.2 ml):** 20.8 mm high, for use in the majority of cyclers.



## MORE INFO

[www.starlab.click/pcrstrips](http://www.starlab.click/pcrstrips)

## Strip Tubes with Attached Cap Strip

| Description                                                          | Colour          | Pack Size | Art.. No          |
|----------------------------------------------------------------------|-----------------|-----------|-------------------|
| <b>Domed Caps</b>                                                    |                 |           |                   |
| 0.2 ml 8-Strip PCR Tubes, Attached Domed Cap Strip                   | Natural         | 125       | <b>I1402-2800</b> |
| <b>Flat Caps (Xtra-Clear) for qPCR</b>                               |                 |           |                   |
| 0.2 ml 8-Strip PCR Tubes, Attached Flat Cap Strip (Xtra-Clear)       | Natural         | 125       | <b>I1402-2700</b> |
| 0.2 ml 8-Strip White PCR Tubes, Attached Flat Cap Strip (Xtra-Clear) | White / Natural | 125       | <b>I1409-2700</b> |

\* Mixed packs contain: blue, green, red, violet and yellow.

Order by the case (x10 packs).

# PCR/qPCR Strips.

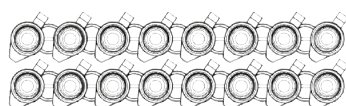
## Non-flex strips

- Rigid triple-link between each tube provides stability for easier and faster handling
- Ultra-thin walls ensure optimal heat transfer
- 'Xtra-Clear' caps and white tubes for qPCR

- Supplied in resealable bags
- Certified free of RNase, DNase, DNA and PCR Inhibitors
- Tested Pyrogen free



Order by the case (x10 packs).



The caps are set at an angle which provide more space when racked

## Non-Flex PCR Strips for qPCR

| Description                                                                                       | Colour                        | Pack Size | Cat. No           |
|---------------------------------------------------------------------------------------------------|-------------------------------|-----------|-------------------|
| <b>Standard Height</b>                                                                            |                               |           |                   |
| 0.2 ml 8-Strip Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)                   | Natural / Natural             | 120       | <b>I1402-3700</b> |
| 0.2 ml 8-Strip Mixed Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)             | Mixed <sup>1)</sup> / Natural | 10 x 12   | <b>I1402-3708</b> |
| 0.2 ml 8-Strip White Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)             | White / Natural               | 120       | <b>I1409-3700</b> |
| <b>Low-Profile</b>                                                                                |                               |           |                   |
| 0.1 ml 8-Strip Low-Profile Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)       | Natural / Natural             | 120       | <b>I1402-3800</b> |
| 0.1 ml 8-Strip Low-Profile White Non-Flex PCR Tubes, Individually Attached Flat Caps (Xtra-Clear) | White / Natural               | 120       | <b>I1409-3800</b> |

<sup>1)</sup> Mixed pack contains convenient mini packs of 10 strips of each colour: blue, green, red, violet and yellow.

## MORE INFO

[www.starlab.click/pcrstrips](http://www.starlab.click/pcrstrips)

# Rotor-Gene® Style PCR Strips & Discs.



Art. No:  
**I1402-0400**

Pack size:  
250 pairs

## 0.1 ml 4-Strip Rotor-Gene® Style PCR Strips

Strip tubes and caps for use with the Qiagen Rotor-Gene® Q Real-Time PCR Cycler. Supplied unassembled in convenient resealable bags (tubes in one bag, caps in the other). Certified RNase, DNase, DNA and PCR Inhibitor free. Tested Endotoxin-free.

## MORE INFO

[www.starlab.click/rotor-gene](http://www.starlab.click/rotor-gene)



Art. No:  
**I1402-0500**

Pack size:  
24 discs

## Rotor-Gene® Style Discs

For use with the Qiagen Rotor-Gene® Q Real-Time Rotary Analyzer. Tubes feature Alpha-numeric matrix to aid orientation. Supplied individually-wrapped. Certified RNase, DNase, DNA & Pyrogen free.

- **72-well disc of 100 µl tubes** for use with Rotor-Disc® 72 Rotor and Rotor-Disc 72 Locking Ring (recommended reaction volume 20 – 25 µl)
- **100-well disc of 25 µl tubes** for use with Rotor-Disc® 100 Rotor & Rotor-Disc 100 Locking Ring (recommended reaction volume 15 – 20 µl)

**72 x 100 µl Tubes**  
One pack provides 1728 reactions



Art. No:  
**I1402-0600**

Pack size:  
30 discs

**100 x 25 µl Tubes**  
One pack provides 3000 reactions

## MORE INFO

[www.starlab.click/rotor-gene](http://www.starlab.click/rotor-gene)

## NEW! Rigid-Frame PCR/qPCR Plates.



### RIGID-FRAME PLATE CAPACITIES

Approx. max. capacity for 96-well plates:  
300 µl for standard height plates  
200 µl for low-profile plates  
Max. volume given for 384-well plate  
is approximate.



E1404-0200



E1404-0201



E1404-0100



E1404-0300



E1404-0301

### Rigid-Frame PCR Plates

- Rigid polycarbonate frame provides a solid, flat surface for robotic arm grip
- SBS footprint and well spacing provides seamless interaction with your automated systems, and precise plate placement without fear of misalignment
- Ultra-thin polypropylene wells provide optimal thermal transfer and high reaction efficiency
- Well ridges help to prevent sample evaporation when sealed with films, foils or cap strips
- Certified free of RNase, DNase, DNA and PCR Inhibitors

### Rigid Frame PCR Plates

| Frame Colour                        | Well Colour | Cut Corner | Pack Size | Article No.       |
|-------------------------------------|-------------|------------|-----------|-------------------|
| <b>96-Well Semi-Skirted</b>         |             |            |           |                   |
| Natural                             | Natural     | A12        | 10        | <b>E1404-0200</b> |
| Blue                                | Natural     | A12        | 10        | <b>E1404-0201</b> |
| <b>96-Well Skirted, Low Profile</b> |             |            |           |                   |
| Natural                             | Natural     | H1         | 10        | <b>E1404-0100</b> |
| Blue                                | Natural     | H1         | 10        | <b>E1404-0101</b> |
| <b>384-Well Skirted (40 µl)</b>     |             |            |           |                   |
| Natural                             | Natural     | A24        | 10        | <b>E1404-0300</b> |
| Blue                                | Natural     | A24        | 10        | <b>E1404-0301</b> |

**SEALING OPTIONS:** PCR strip caps (page 77) or plate seals/foils (page 86–page 87).  
Silicone sealing mat (page 86).

### Plate-Cycler Compatibility Guide

[starlab.click/pcr-compatibility](http://starlab.click/pcr-compatibility)

### MORE INFO

[www.starlab.click/pcrplates](http://www.starlab.click/pcrplates)



Plates are supplied stacked inside convenient, resealable bags in our colourful Starlab branded boxes.

See page 86 and page 87 for PCR plate sealing.



# Non-Skirted PCR/qPCR Plates.



E1403-0200

## PLATE CAPACITIES

Approx. max. capacity for 96-well plates:  
350 µl for standard height plates  
200 µl for low-profile plates



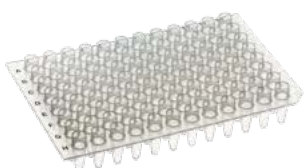
E1403-0200



E1403-1200 / E1403-0100

## Plate-Cycler Compatibility Guide

[starlab.click/pcr-compatibility](http://starlab.click/pcr-compatibility)



E1403-2200



B1402-0595

## Non-Skirted PCR Plates

- Universal fit, suitable for most thermal cyclers
- Ultra-thin, uniform walls ensure optimal heat transfer and high reaction efficiency
- Well ridges help prevent sample evaporation when sealed with films, foils or cap strips

- Supplied in convenient, resealable bags
- Certified free of RNase, DNase, DNA and PCR Inhibitors
- Tested Pyrogen free

## WHITE PLATES FOR qPCR

Opaque white plates show low auto-fluorescence with chemiluminescence detectors. White plates also increase signal yield.

## Non-Skirted PCR Plates

| Description (Cut Corner)                          | Colour  | Pack Size | Article No.       |
|---------------------------------------------------|---------|-----------|-------------------|
| <b>Low-Profile</b>                                |         |           |                   |
| 96-Well PCR Plate, Non-Skirted, Low-Profile (H12) | Natural | 20        | <b>E1403-0200</b> |
| 96-Well PCR Plate, Non-Skirted, Low-Profile (H12) | White   | 20        | <b>E1403-0209</b> |
| <b>Standard Height</b>                            |         |           |                   |
| 96-Well PCR Plate, Non-Skirted (A12)              | Natural | 10        | <b>E1403-1200</b> |
| 96-Well PCR Plate, Non-Skirted (A12)              | White   | 10        | <b>E1403-1209</b> |
| <b>Standard Height, Cuttable</b>                  |         |           |                   |
| 96-Well PCR Plate, Non-Skirted (Cuttable) (A12)   | Natural | 10        | <b>E1403-0100</b> |

**SEALING OPTIONS:** PCR strip caps (page 77) or plate seals/foils (page 86–page 87).  
Silicone sealing mat (page 86).

## E1403-0100 Cuttable PCR plate

This plate is more pliable than other non-skirted plates and can easily be cut into any desired configuration with normal scissors.

## MORE INFO

[www.starlab.click/pcrplates](http://www.starlab.click/pcrplates)

Reduce contamination with elevated wells

## Non-Skirted PCR Plates, Elevated Wells

| Description (Cut Corner)                             | Colour  | Pack Size | Article No.       |
|------------------------------------------------------|---------|-----------|-------------------|
| 96-Well PCR Plate, Non-Skirted, Elevated Wells (H12) | Natural | 10        | <b>E1403-2200</b> |
| 48-Well PCR Plate, Non-Skirted, Elevated Wells       | Natural | 20        | <b>E1403-3200</b> |
| 24-Well PCR Plate, Non-Skirted, Elevated Wells       | Natural | 40        | <b>E1403-4200</b> |

**SEALING OPTIONS:** PCR strip caps (page 77). Silicone sealing mat (page 86).

## Non-Skirted PCR Plate

| Description (Cut Corner)                            | Colour  | Pack Size | Article No.       |
|-----------------------------------------------------|---------|-----------|-------------------|
| 96-Well PCR Plate, Non-Skirted (Flat Surface) (H12) | Natural | 10        | <b>B1402-0595</b> |

**SEALING OPTIONS:** Plate seals/foils (page 86–page 87) only.

Order by the case (x10 packs).

See page 86 and page 87 for PCR plate sealing.

# Semi-Skirted PCR/qPCR Plates.



E1403-6200

## Semi-Skirted PCR Plates

- Specialist plates available (for FAST<sup>®</sup> Systems, qPCR)
- Supplied in resealable bags
- Certified free of RNase, DNase, DNA & PCR Inhibitors
- Tested Endotoxin-free

### WHITE PLATES FOR qPCR

Opaque white plates show low auto-fluorescence with chemiluminescence detectors. White plates also increase signal yield.

 Order by the case (x10 packs).

### PLATE CAPACITIES

Approx. max. capacity for 96-well plates:  
350 µl for standard height plates  
200 µl for low-profile plates



I1402-9700



I1402-9800



I1402-9909



E1403-8200



E1403-7700

## Semi-Skirted PCR Plates

| Description (Cut Corner)                                                              | Colour              | Pack Size | Article No.                                                                                             |
|---------------------------------------------------------------------------------------|---------------------|-----------|---------------------------------------------------------------------------------------------------------|
| <b>Low-Profile</b>                                                                    |                     |           |                                                                                                         |
| 96-Well PCR Plate, Semi-Skirted, Low-Profile (A12)                                    | Natural             | 10        | <b>E1403-6200</b>    |
| <b>Standard Height</b>                                                                |                     |           |                                                                                                         |
| 96-Well PCR Plate, Semi-Skirted (A12)                                                 | Natural             | 10        | <b>I1402-9700</b>    |
| 96-Well PCR Plate, Semi-Skirted (A12)                                                 | White               | 10        | <b>I1402-9709</b>                                                                                       |
| 96-Well PCR Plate, Semi-Skirted (A12)                                                 | Mixed <sup>1)</sup> | 10        | <b>I1402-9799</b>                                                                                       |
| <b>Straight Edges</b>                                                                 |                     |           |                                                                                                         |
| 96-Well PCR Plate, Semi-Skirted, Straight Edges (A12)                                 | Natural             | 10        | <b>I1402-9800</b>   |
| 96-Well PCR Plate, Semi-Skirted, Straight Edges (A12)                                 | White               | 10        | <b>I1402-9809</b>  |
| <b>for Roche LightCycler<sup>®</sup></b>                                              |                     |           |                                                                                                         |
| 96-Well PCR Plate, Semi-Skirted, Low-Profile for Roche LightCycler <sup>®</sup> (H12) | White               | 10        | <b>I1402-9909</b>  |

<sup>1)</sup> Mixed pack contains blue, green, red, violet & yellow plates.

**SEALING OPTIONS:** PCR strip caps (page 77) or plate seals/foils (page 86–page 87).  
Silicone sealing mat (page 86).

See page 86 and page 87  
for PCR plate sealing.

### Plate-Cycler Compatibility Guide

[starlab.click/pcr-compatibility](http://starlab.click/pcr-compatibility)

## Semi-Skirted PCR Plates, Raised Rim

| Description (Cut Corner)                                                                      | Colour  | Pack Size | Article No.                                                                                             |
|-----------------------------------------------------------------------------------------------|---------|-----------|---------------------------------------------------------------------------------------------------------|
| <b>TAQMan<sup>®</sup>-Style Plate</b>                                                         |         |           |                                                                                                         |
| 96-Well PCR Plate, Semi-Skirted, Raised Rim (A12)                                             | Natural | 10        | <b>E1403-8200</b>  |
| <b>Plate for FAST<sup>®</sup> Systems</b>                                                     |         |           |                                                                                                         |
| 96-Well PCR Plate, Semi-Skirted, Raised Rim, Low Profile (for FAST <sup>®</sup> Systems) (A1) | Natural | 10        | <b>E1403-7700</b>  |
| 96-Well PCR Plate, Semi-Skirted, Raised Rim, Low Profile (for FAST <sup>®</sup> Systems) (A1) | White   | 10        | <b>E1403-7709</b>  |

**SEALING OPTIONS:** PCR strip caps (page 77) or plate seals/foils (page 86–page 87).  
Silicone sealing mat (page 86).

## MORE INFO

[www.starlab.click/pcrplates](http://www.starlab.click/pcrplates)



# Skirted PCR Plates.



E1403-5200

## 96-Well Skirted PCR Plates

- Holes on sides for robotics handling
- Highly-visible printed matrix
- Supplied in resealable bags
- Certified free of RNase, DNase, DNA and PCR Inhibitors
- Tested Endotoxin-free

### WHITE PLATES FOR qPCR

Opaque white plates show low auto-fluorescence with chemiluminescence detectors. White plates also increase signal yield.

Order by the case (x10 packs).

### PLATE CAPACITIES

Approx. max. capacity for 96-well plates:  
350 µl for standard height plates  
200 µl for low-profile plates



E1403-5200

## Skirted PCR Plates, 96-Well

| Description (Cut Corner)                      | Colour  | Pack Size | Article No.       |
|-----------------------------------------------|---------|-----------|-------------------|
| Low-Profile                                   |         |           |                   |
| 96-Well PCR Plate, Skirted, Low-Profile (A12) | Natural | 10        | <b>E1403-5200</b> |
| 96-Well PCR Plate, Skirted, Low-Profile (A12) | White   | 10        | <b>E1403-5209</b> |

**SEALING OPTIONS:** PCR strip caps (page 77) or plate seals/foils (page 86–page 87).  
Silicone sealing mat (page 86).

### MORE INFO

[www.starlab.click/pcrplates](http://www.starlab.click/pcrplates)

**Plate-Cycler Compatibility Guide**  
[starlab.click/pcr-compatibility](http://starlab.click/pcr-compatibility)

See page 86 and page 87 for PCR plate sealing.

### NEW!

**Semi-skirted and skirted PCR plates also available with rigid frames.**

See page 80.



# 384-Well PCR/qPCR Plates.



E1042-3840

## 384-Well Skirted PCR Plates

- Holes on sides for robotics handling
- Supplied in resealable bags
- Certified free of RNase, DNase, DNA and PCR Inhibitors
- Tested Endotoxin-free

### WHITE PLATES FOR qPCR

Opaque white plates show low auto-fluorescence with chemiluminescence detectors. White plates also increase signal yield.

 Order by the case (x10 packs).

### PLATE CAPACITIES

Volumes for 384-well plates are approximate.



E1042-3840

## Skirted PCR Plates, 384-Well

| Description (Cut Corner)                                     | Colour  | Pack Size | Article No.                                                                                           |
|--------------------------------------------------------------|---------|-----------|-------------------------------------------------------------------------------------------------------|
| 384-Well PCR Plate, ABI*/Universal-Style, Skirted (A24)      | Natural | 10        | <b>E1042-3840</b>  |
| 384-Well PCR Plate, ABI*/Universal-Style, Skirted (A24)      | White   | 10        | <b>E1042-3849</b>                                                                                     |
| 384-Well PCR Plate for Roche Lightcycler*, Skirted (A24,P24) | White   | 10        | <b>E1042-9909</b>  |
| 384-Well PCR Plate, Skirted (40 µl), (A24, P24)              | Natural | 10        | <b>E1042-2500</b>  |
| <b>Sealing Mat</b>                                           |         |           |                                                                                                       |
| Silicone Sealing Mat for 384-Well Plates <sup>1)</sup>       | Natural | 10        | <b>E1042-2350</b>                                                                                     |

<sup>1)</sup>Sealing mat E1042-2350 is not suitable for qPCR.

**SEALING OPTIONS:** PCR plate seals/foils (page 86–page 87).

See page 86 and page 87 for PCR plate sealing.

## MORE INFO

[www.starlab.click/pcrplates](http://www.starlab.click/pcrplates)

E1042-9909

E1042-2500

## NEW!

**384-well PCR plate with rigid frames also available. See page 80.**



# Barcoded PCR/qPCR Plates.



Barcoded plates have highly-visible printed matrix.

## Barcoded PCR Plates

- Code 128 Barcoding plus human-readable number
- All barcodes seven digits long
- Low, minimum ordering quantity of 100 plates
- Supplied in convenient resealable bags
- Certified free of RNase, DNase, DNA & PCR Inhibitors
- Tested Endotoxin-free

## WHITE PLATES FOR qPCR

Opaque white plates show low auto-fluorescence with chemiluminescence detectors. White plates also increase signal yield.

**Customised barcoding is also available**



Images for illustrative purposes only.



E1403-5200-BC

## Semi-Skirted PCR Plates, Barcoded, 96-Well

| Description (Cut Corner)                                                                                                     | Colour  | Pack Size | Article No.   |
|------------------------------------------------------------------------------------------------------------------------------|---------|-----------|---------------|
| 96-Well PCR Plate, Semi-Skirted, Straight Edges, with Barcode (A12)                                                          | Natural | 10 x 10   | I1402-9800-BC |
| 96-Well PCR Plate, Semi-Skirted, for Roche® Lightcycler, with Barcode (H12)                                                  | White   | 10 x 10   | I1402-9909-BC |
| 96-Well PCR Plate, Semi-Skirted, Raised Rim, with Barcode (A12)                                                              | Natural | 10 x 10   | E1403-8200-BC |
| <b>SEALING OPTIONS:</b> PCR strip caps (page 77) or plate seals/foils (ppage 86–page 87).<br>Silicone sealing mat (page 86). |         |           |               |

## Skirted PCR Plate, Barcoded, 96-Well

| Description (Cut Corner)                                                                                                    | Colour  | Pack Size | Article No.   |
|-----------------------------------------------------------------------------------------------------------------------------|---------|-----------|---------------|
| 96-Well PCR Plate, Skirted, Low-Profile, with Barcode (A12)                                                                 | Natural | 10 x 10   | E1403-5200-BC |
| <b>SEALING OPTIONS:</b> PCR strip caps (page 77) or plate seals/foils (page 86–page 87).<br>Silicone sealing mat (page 86). |         |           |               |

**Plate-Cycler Compatibility Guide**  
[starlab.click/pcr-compatibility](http://starlab.click/pcr-compatibility)

## Skirted PCR Plate, Barcoded, 384-Well

| Description (Cut Corner)                                                                                                     | Colour  | Pack Size | Article No.   |
|------------------------------------------------------------------------------------------------------------------------------|---------|-----------|---------------|
| 384-Well PCR Plate for Roche Lightcycler®, Skirted, with Barcode (A24/P24)                                                   | Natural | 10 x 10   | E1042-9900-BC |
| <b>SEALING OPTIONS:</b> PCR strip caps (page 77) or plate seals/foils (ppage 86–page 87).<br>Silicone sealing mat (page 86). |         |           |               |

**See page 86 and page 87 for PCR plate sealing.**

# Plate Sealing for PCR.

## Plate Seals for PCR

| Description:                              |  |  |  |  |  |  |  |
|-------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                           | <b>Aluminium Seal (PCR)</b>                                                       | <b>Aluminium Seal (PCR)</b>                                                       | <b>Aluminium StarSeal (PCR)</b>                                                   | <b>Polyester Sealing Film, Clear (PCR)</b>                                        | <b>Polypropylene Sealing Film Strips (PCR)</b>                                     | <b>Clear Polypropylene Seal (PCR)</b>                                               | <b>Clear Polyolefin StarSeal (PCR)</b>                                              |
| <b>Article No:</b>                        | <b>E2796-1270</b>                                                                 | <b>E2796-0792</b>                                                                 | <b>E2796-9792</b>                                                                 | <b>E2796-0100</b>                                                                 | <b>E2796-2850</b>                                                                  | <b>E2796-0793</b>                                                                   | <b>E2796-9793</b>                                                                   |
| <b>Pack size:</b>                         | 100 Seals                                                                         | 100 Seals                                                                         | 100 Seals                                                                         | 100 Seals                                                                         | 200 Strips                                                                         | 100 Seals                                                                           | 100 Seals                                                                           |
| Colour                                    | Silver                                                                            | Silver                                                                            | Silver                                                                            | Clear                                                                             | Clear                                                                              | Clear                                                                               | Clear                                                                               |
| Opaque                                    | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✗                                                                                 | ✗                                                                                  | ✗                                                                                   | ✗                                                                                   |
| Optically clear                           | ✗                                                                                 | ✗                                                                                 | ✗                                                                                 | ✓                                                                                 | ✓                                                                                  | ✓                                                                                   | ✓                                                                                   |
| Superior optical clarity                  | ✗                                                                                 | ✗                                                                                 | ✗                                                                                 | ✗                                                                                 | ✗                                                                                  | ✗                                                                                   | ✗                                                                                   |
| Suitable for PCR                          | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                  | ✓                                                                                   | ✓                                                                                   |
| Suitable for Real-Time PCR (qPCR)         | ✗                                                                                 | ✗                                                                                 | ✗                                                                                 | ✗                                                                                 | ✗                                                                                  | ✗                                                                                   | ✗                                                                                   |
| Short-term storage                        | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                  | ✓                                                                                   | ✓                                                                                   |
| Long-term storage and incubation          | ✗                                                                                 | ✓                                                                                 | ✗                                                                                 | ✗                                                                                 | ✗                                                                                  | ✗                                                                                   | ✗                                                                                   |
| Easy to pierce with needle or metal probe | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✗                                                                                 | ✗                                                                                  | ✗                                                                                   | ✗                                                                                   |
| Easy to pierce with pipette tip           | ✓                                                                                 | ✓                                                                                 | ✓                                                                                 | ✗                                                                                 | ✗                                                                                  | ✗                                                                                   | ✗                                                                                   |
| Low 'tack to touch' adhesive**            | ✗                                                                                 | ✗                                                                                 | ✗                                                                                 | ✗                                                                                 | ✗                                                                                  | ✗                                                                                   | ✗                                                                                   |
| Low auto-fluorescence                     | ✗                                                                                 | ✗                                                                                 | ✗                                                                                 | ✗                                                                                 | ✗                                                                                  | ✗                                                                                   | ✓                                                                                   |
| Resistant to DMSO                         | ✓                                                                                 | ✗                                                                                 | ✓                                                                                 | ✗                                                                                 | ✗                                                                                  | ✓                                                                                   | ✓                                                                                   |
| Certified free of                         | RNase, DNase, Pyrogen                                                             | RNase, DNase, DNA, Pyrogen                                                        | RNase, DNase, DNA, Endotoxin                                                      | RNase, DNase, Nucleic Acid                                                        | RNase, DNase, Nucleic Acid                                                         | RNase, DNase, DNA, Pyrogen                                                          | RNase, DNase, DNA, Endotoxin                                                        |
| No. of end tabs                           | 1                                                                                 | 1                                                                                 | 2                                                                                 | 2                                                                                 | 2                                                                                  | 1                                                                                   | 2                                                                                   |
| Seal Thickness                            | 75 µm                                                                             | 60 µm                                                                             | 36 µm                                                                             | 50 µm                                                                             | 50 µm                                                                              | 50 µm                                                                               | 50 µm                                                                               |
| Plate type compatibility                  | PP, PS, PC, PE                                                                    | PP, PS, PC, PE                                                                    | PP, PS, PC                                                                        | PP, PS, PC, PE                                                                    | PP                                                                                 | PP, PS, PC, PE                                                                      | PP, PS, PC                                                                          |
| Minimum temp. use                         | -80 °C                                                                            | -80 °C                                                                            | -70 °C <sup>1)</sup>                                                              | -40 °C                                                                            | -40 °C                                                                             | -80 °C                                                                              | -70 °C <sup>1)</sup>                                                                |
| Maximum temp. use                         | 120 °C                                                                            | 120 °C                                                                            | 110 °C                                                                            | 120 °C                                                                            | 120 °C                                                                             | 120 °C                                                                              | 110 °C                                                                              |

 Self-adhesive seal.

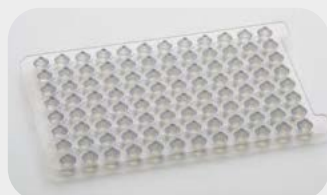
Plate type: PP = polypropylene. PS = polystyrene. PC = polycarbonate. PE = polyethylene.

<sup>1)</sup> Can be used at -80 °C for short-term storage.

## MORE INFO

[www.starlab.click/pcrseals](http://www.starlab.click/pcrseals)

## Silicone sealing mat for 96-well plates (autoclavable)



Mat not suitable for qPCR.

Reusable. Ultra-flexible. Piercable with needle or cannula. Especially suitable for thermal cyclers with pressure-fit lids. Can be cut to size for 24, 32 or 48-well plates. The mat will withstand repeated autoclaving, extreme temperatures and aggressive chemicals. Certified free of RNase, DNase, DNA and PCR Inhibitors. Tested Endotoxin free.

**Art. No. E1403-0000** pack of 5

**Plates can also be sealed with PCR cap strips.**  
**See page 77**



# Plate Sealing for PCR/qPCR.

| Description:                              | Plate Seals for PCR                                                                                   |                                                                                                          | Plate Seals for qPCR                                                                                          |                                                                                                                                  |                                                                                                                       |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                           |  Peelable Film (PCR) |  Easy Pierce Film (PCR) |  Optically Clear Film (qPCR) |  Xtra-Clear Advanced Polyolefin StarSeal (qPCR) |  Xtra-Clear Polyolefin Seal (qPCR) |
| Article No:                               | <b>E2796-3060</b>                                                                                     | <b>E2796-3090</b>                                                                                        | <b>E2796-3020</b>                                                                                             | <b>E2796-9795</b>                                                                                                                | <b>E2796-9895</b>                                                                                                     |
| Pack size:                                | 100 Seals                                                                                             | 100 Seals                                                                                                | 100 Seals                                                                                                     | 100 Seals                                                                                                                        | 100 Seals                                                                                                             |
| Colour                                    | White                                                                                                 | Silver                                                                                                   | Clear                                                                                                         | Clear                                                                                                                            | Clear                                                                                                                 |
| Opaque                                    | ✓                                                                                                     | ✓                                                                                                        | ✗                                                                                                             | ✗                                                                                                                                | ✗                                                                                                                     |
| Optically clear                           | ✗                                                                                                     | ✗                                                                                                        | ✓                                                                                                             | ✓                                                                                                                                | ✓                                                                                                                     |
| Superior optical clarity                  | ✗                                                                                                     | ✗                                                                                                        | ✓                                                                                                             | ✓                                                                                                                                | ✓                                                                                                                     |
| Suitable for PCR                          | ✓                                                                                                     | ✓                                                                                                        | ✓                                                                                                             | ✓                                                                                                                                | ✓                                                                                                                     |
| Suitable for Real-Time PCR (qPCR)         | ✗                                                                                                     | ✗                                                                                                        | ✓                                                                                                             | ✓                                                                                                                                | ✓                                                                                                                     |
| Short-term storage                        | ✓                                                                                                     | ✓                                                                                                        | ✓                                                                                                             | ✓                                                                                                                                | ✓                                                                                                                     |
| Long-term storage and incubation          | ✓                                                                                                     | ✓                                                                                                        | ✓                                                                                                             | ✗                                                                                                                                | ✓                                                                                                                     |
| Easy to pierce with needle or metal probe | ✗                                                                                                     | ✓                                                                                                        | ✗                                                                                                             | ✗                                                                                                                                | ✗                                                                                                                     |
| Easy to pierce with pipette tip           | ✗                                                                                                     | ✓                                                                                                        | ✗                                                                                                             | ✗                                                                                                                                | ✗                                                                                                                     |
| Low 'tack to touch' adhesive**            | ✗                                                                                                     | ✗                                                                                                        | ✗                                                                                                             | ✓                                                                                                                                | ✓                                                                                                                     |
| Low auto-fluorescence                     | ✗                                                                                                     | ✗                                                                                                        | ✗                                                                                                             | ✓                                                                                                                                | ✓                                                                                                                     |
| Resistant to DMSO                         | ✓                                                                                                     | ✓                                                                                                        | ✓                                                                                                             | ✓                                                                                                                                | ✓                                                                                                                     |
| Certified free of                         | ✗                                                                                                     | ✗                                                                                                        | ✗                                                                                                             | RNase, DNase, DNA, Endotoxin                                                                                                     | RNase, DNase                                                                                                          |
| No. of end tabs                           | 2                                                                                                     | 2                                                                                                        | 2                                                                                                             | 2                                                                                                                                | 2                                                                                                                     |
| Seal thickness                            | 70 µm                                                                                                 | 38 µm                                                                                                    | 125 µm                                                                                                        | 50 µm                                                                                                                            | 96 µm                                                                                                                 |
| Plate type compatibility                  | PP, PE                                                                                                | PP, PE                                                                                                   | PP, PS, PE                                                                                                    | PP, PS, PC                                                                                                                       | PP, PS, PC                                                                                                            |
| Minimum temp. use                         | -200 °C                                                                                               | -80 °C                                                                                                   | -80 °C                                                                                                        | -70 °C <sup>1)</sup>                                                                                                             | -80 °C                                                                                                                |
| Maximum temp. use                         | 90 °C <sup>2)</sup>                                                                                   | 80 °C <sup>2)</sup>                                                                                      | 120 °C                                                                                                        | 110 °C                                                                                                                           | 105 °C                                                                                                                |

 Self-adhesive seal.  Heat seal.

Plate type: PP = polypropylene. PS = polystyrene. PC = polycarbonate. PE = polyethylene.

<sup>1)</sup> Can be used at -80 °C for short-term storage.

<sup>2)</sup> During PCR, seals can withstand temperatures up to 120 °C provided that adequate support/pressure is applied by the cycler's lid.

**Plate sealing options for storage and cell culture applications can be found on page 63**

## MORE INFO

[www.starlab.click/pcrseals](http://www.starlab.click/pcrseals)

**Plates can also be sealed with PCR cap strips. See page 77**



## Plate Sealing Accessories.



### Seal Applicator

Polyethylene applicator for use with self-adhesive plate seals.

**12928-7355 / pack of 5**



### Sealing Brayer

Soft rubber roller for use with self-adhesive plate seals.

**E9127-2940 / each**

# Cell Culture.



**CYTOONE® DISHES** ..... 90

**CYTOONE® PLATES** ..... 91

**CYTOONE® FLASKS**  
with 2-Position Plug Seal Caps. .... 92  
with Vented Filter Caps. .... 93

**ERLENMEYER FLASKS** ..... 94

**CELL SCRAPERS** ..... 95

**CENTRIFUGE TUBES** ..... 96

**CELL STRAINERS** ..... 97

**SYRINGE FILTERS** ..... 97

**BOTTLE TOP FILTRATION** ..... 98

# CytoOne® Dishes.



## Product features

- Sturdy, flat bases resist bowing and warping
- Optical clarity provides distortion free microscopy
- Stacking rings with vented design for thermal equalisation
- Vented lids improve gas exchange
- Untreated lids to minimise condensation
- Easy to open sleeves in convenient small pack sizes
- Gamma sterilised (SAL 10<sup>-5</sup>)
- Certified RNase, DNase, DNA and pyrogen free



## Dishes

| Description               | Pack Size | Article No.        |
|---------------------------|-----------|--------------------|
| <b>TC Treated</b>         |           |                    |
| 35 x 10 mm CytoOne® Dish  | 10 × 30   | <b>CC7682-3340</b> |
| 60 x 15 mm CytoOne® Dish  | 10 × 30   | <b>CC7682-3359</b> |
| 100 x 20 mm CytoOne® Dish | 10 × 30   | <b>CC7682-3394</b> |
| 150 x 20 mm CytoOne® Dish | 5 × 12    | <b>CC7682-3614</b> |
| <b>Non-Treated</b>        |           |                    |
| 35 x 10 mm CytoOne® Dish  | 10 × 30   | <b>CC7672-3340</b> |
| 60 x 15 mm CytoOne® Dish  | 10 × 30   | <b>CC7672-3359</b> |
| 100 x 20 mm CytoOne® Dish | 10 × 30   | <b>CC7672-3394</b> |
| 150 x 20 mm CytoOne® Dish | 5 × 12    | <b>CC7672-3614</b> |

## Technical specifications

| Outer Dimensions x Height | Growth area         | Inner dimension | Working volume |
|---------------------------|---------------------|-----------------|----------------|
| 35 x 10 mm                | 9.6 cm <sup>2</sup> | 35 mm           | 2.0 ml         |
| 60 x 15 mm                | 21 cm <sup>2</sup>  | 52 mm           | 5.0 ml         |
| 100 x 20 mm               | 55 cm <sup>2</sup>  | 90 mm           | 10 ml          |
| 150 x 20 mm               | 149 cm <sup>2</sup> | 138 mm          | 30 ml          |

## MORE INFO

[www.starlab.click/dishes](http://www.starlab.click/dishes)



The lids of the 150 mm dishes have four ergonomically placed grip tags (circled above) for secure handling with less strain



Bevelled base on the 35 mm and 60 mm dishes makes it easier to pick up these small dishes without accidentally losing the lower shell



# CytoOne® Multiwell Plates.

## Product features

- Complete 360° chimney wells prevents cross-contamination and provides uniform temperature transfer across all wells
- Four vents on the skirt of each plate reduces condensation and surface tension between stacked plates
- Optical clarity provides distortion-free microscopy
- Moulded alpha-numeric matrix
- Gamma sterilised (SAL 10<sup>-5</sup>)
- Certified RNase, DNase, DNA and Pyrogen free



6-Well

12-Well

24-Well

48-Well

96-Well

## Multiwell Plates

| Description                         | Pack Size | Article No.        |
|-------------------------------------|-----------|--------------------|
| <b>TC Treated</b>                   |           |                    |
| 6-Well CytoOne® Plate, TC-Treated   | 50        | <b>CC7682-7506</b> |
| 12-Well CytoOne® Plate, TC-Treated  | 50        | <b>CC7682-7512</b> |
| 24-Well CytoOne® Plate, TC-Treated  | 50        | <b>CC7682-7524</b> |
| 48-Well CytoOne® Plate, TC-Treated  | 50        | <b>CC7682-7548</b> |
| 96-Well CytoOne® Plate, TC-Treated  | 50        | <b>CC7682-7596</b> |
| <b>Non-Treated</b>                  |           |                    |
| 6-Well CytoOne® Plate, Non-Treated  | 50        | <b>CC7672-7506</b> |
| 12-Well CytoOne® Plate, Non-Treated | 50        | <b>CC7672-7512</b> |
| 24-Well CytoOne® Plate, Non-Treated | 50        | <b>CC7672-7524</b> |
| 48-Well CytoOne® Plate, Non-Treated | 50        | <b>CC7672-7548</b> |
| 96-Well CytoOne® Plate, Non-Treated | 50        | <b>CC7672-7596</b> |

## Technical specifications

| Number of wells | Growth area          | Working volume | Well diameter |
|-----------------|----------------------|----------------|---------------|
| 6 wells         | 9.4 cm <sup>2</sup>  | 2.0 ml         | 3.46 cm       |
| 12 wells        | 3.8 cm <sup>2</sup>  | 1.5 ml         | 2.21 cm       |
| 24 wells        | 1.9 cm <sup>2</sup>  | 1.0 ml         | 1.55 cm       |
| 48 wells        | 0.76 cm <sup>2</sup> | 0.5 ml         | 0.98 cm       |
| 96 wells        | 0.32 cm <sup>2</sup> | 0.2 ml         | 0.64 cm       |

## MORE INFO

[www.starlab.click/multiwellplates](http://www.starlab.click/multiwellplates)



WATCH VIDEO

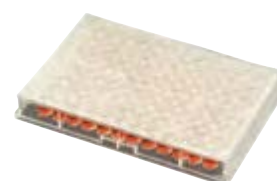


Plate seals for cell culture are on page 63

CytoOne® Plates

## MINIMISING THE EDGE EFFECT

CytoOne® plates have chimney wells with a complete 360° open channel around each well. Filling the channel with medium during incubation helps reduce clumping of cells towards the edges, resulting in a more uniform cell layer. Tests were carried out on six other brands of 96-well tissue culture plates which were seeded and incubated under the same conditions as a CytoOne® Plate. All displayed an edge effect which could affect the integrity of our your data.

Download Product Data Sheet for full details:

[starlab.click/edgeeffect](http://starlab.click/edgeeffect)



Cell growth in a CytoOne® plate with the channel between the 360° chimney wells left empty.



Cell growth in a CytoOne® plate with the channel filled with DMEM medium shows a marked reduction in 'edge effect'.

# CytoOne® Flasks with 2-Position Plug Seal Caps.



## Product features

- All flasks 100% pressure tested for leak-free assurance
- Stacking rims with vented design for thermal equalisation
- Anti-tilt skirts and base bars improve stability
- Wide necks provide easy access while minimising contamination
- Gamma sterilised (SAL  $10^{-5}$ ) and certified RNase, DNase, DNA and Pyrogen free

## Flasks with 2-Position Plug Seal Caps

| Description                       | Pack Size | Article No.        |
|-----------------------------------|-----------|--------------------|
| <b>TC Treated</b>                 |           |                    |
| T-25 CytoOne® Flask, TC-Treated   | 30 × 10   | <b>CC7682-4325</b> |
| T-75 CytoOne® Flask, TC-Treated   | 20 × 5    | <b>CC7682-4175</b> |
| T-150 CytoOne® Flask, TC-Treated  | 8 × 5     | <b>CC7682-4415</b> |
| T-225 CytoOne® Flask, TC-Treated  | 5 × 5     | <b>CC7682-4225</b> |
| <b>Non-Treated</b>                |           |                    |
| T-25 CytoOne® Flask, Non-Treated  | 30 × 10   | <b>CC7672-4325</b> |
| T-75 CytoOne® Flask, Non-Treated  | 20 × 5    | <b>CC7672-4175</b> |
| T-150 CytoOne® Flask, Non-Treated | 8 × 5     | <b>CC7672-4415</b> |
| T-225 CytoOne® Flask, Non-Treated | 5 × 5     | <b>CC7672-4225</b> |



### CytoOne® two-position plug seal cap

Two-position plug seal caps allow you to choose secure manual venting or an airtight seal



T-75 flasks with two-position plug seal caps

## MORE INFO

[www.starlab.click/flasks](http://www.starlab.click/flasks)



Non-treated flasks can be identified by their white caps





# CytoOne® Flasks with Vented Filter Caps.

## Product features

- All flasks 100% pressure tested for leak-free assurance
- Stacking rims with vented design for thermal equalisation
- Anti-tilt skirts and base bars improve stability
- Wide necks provide easy access while minimising contamination
- Gamma sterilised (SAL 10<sup>-5</sup>) and certified RNase, DNase, DNA and Pyrogen free

### Flasks with Vented Filter Caps

| Description                               | Pack Size | Article No.        |
|-------------------------------------------|-----------|--------------------|
| <b>TC Treated</b>                         |           |                    |
| T-25 CytoOne® Flask, TC-Treated, Vented   | 30 × 10   | <b>CC7682-4825</b> |
| T-75 CytoOne® Flask, TC-Treated, Vented   | 20 × 5    | <b>CC7682-4875</b> |
| T-150 CytoOne® Flask, TC-Treated, Vented  | 8 × 5     | <b>CC7682-4815</b> |
| T-225 CytoOne® Flask, TC-Treated, Vented  | 5 × 5     | <b>CC7682-4822</b> |
| <b>Non-Treated</b>                        |           |                    |
| T-25 CytoOne® Non-Treated Flasks, Vented  | 30 × 10   | <b>CC7672-4825</b> |
| T-75 CytoOne® Non-Treated Flasks, Vented  | 20 × 5    | <b>CC7672-4875</b> |
| T-150 CytoOne® Non-Treated Flasks, Vented | 8 × 5     | <b>CC7672-4815</b> |
| T-225 CytoOne® Non-Treated Flasks, Vented | 5 × 5     | <b>CC7672-4822</b> |



**CytoOne® vented filter cap**  
Vented filter caps have a 0.2 µm hydrophobic membrane for gas exchange and to exclude bacteria and fungal contaminants



## MORE INFO

[www.starlab.click/flasks](http://www.starlab.click/flasks)



All flasks (all cap types) supplied in easy-open, resealable zip top bags to protect unused flasks

### Technical specifications (All Cap Types)

| Flask Type | Growth area         | Neck   | Working volume | Max. volume without neck | Max. volume with neck |
|------------|---------------------|--------|----------------|--------------------------|-----------------------|
| T-25       | 25 cm <sup>2</sup>  | canted | 5 ml           | 70 ml                    | 75 ml                 |
| T-75       | 75 cm <sup>2</sup>  | canted | 20 ml          | 279 ml                   | 290 ml                |
| T-150      | 150 cm <sup>2</sup> | canted | 30 ml          | 591 ml                   | 603 ml                |
| T-225      | 225 cm <sup>2</sup> | angled | 60 ml          | 1,006 ml                 | 1,024 ml              |

**CERTIFIED**



# Erlenmeyer Flasks.



Ideal for the cultivation of bacteria, yeast and fungi, as well as plant and animal cells in suspension.

## Product features

- Optically clear polycarbonate flasks
- Moulded graduations for easy volume measurement
- Dual function, vented polypropylene cap provides sterile air exchange or a tight seal
- 0.22  $\mu$ m PTFE cap membrane
- Compatible with standard shaking incubator tables and clamps
- Individually wrapped
- Sterile (SAL  $10^{-6}$ ) fulfills the highest demands
- Certified RNase, DNase, DNA and Pyrogen free
- Autoclavable and reusable



### Dual-Function Polypropylene Caps

0.22  $\mu$ m PTFE membrane, ideal for both aerobic and anaerobic cultures. Remove the top section to allow sterile exchange, and then replace when ready. No contamination risk or hassle of switching caps. You need only stock one flask type for both cultures.

## MORE INFO

[www.starlab.click/erlenmeyers](http://www.starlab.click/erlenmeyers)

## Erlenmeyer Flasks

| Description                                      | Pack Size | Article No.       |
|--------------------------------------------------|-----------|-------------------|
| <b>Flasks with Flat Base</b>                     |           |                   |
| 125 ml Erlenmeyer Flask, Flat Base (Sterile)     | 24        | <b>E5000-1012</b> |
| 250 ml Erlenmeyer Flask, Flat Base (Sterile)     | 12        | <b>E5000-1025</b> |
| 500 ml Erlenmeyer Flask, Flat Base (Sterile)     | 12        | <b>E5000-1050</b> |
| 1000 ml Erlenmeyer Flask, Flat Base (Sterile)    | 6         | <b>E5000-1100</b> |
| 2000 ml Erlenmeyer Flask, Flat Base (Sterile)    | 6         | <b>E5000-1200</b> |
| 3000 ml Erlenmeyer Flask, Flat Base (Sterile)    | 3         | <b>E5000-1300</b> |
| <b>Flasks with Baffled Base</b>                  |           |                   |
| 125 ml Erlenmeyer Flask, Baffled Base (Sterile)  | 24        | <b>E5001-1012</b> |
| 250 ml Erlenmeyer Flask, Baffled Base (Sterile)  | 12        | <b>E5001-1025</b> |
| 500 ml Erlenmeyer Flask, Baffled Base (Sterile)  | 12        | <b>E5001-1050</b> |
| 1000 ml Erlenmeyer Flask, Baffled Base (Sterile) | 6         | <b>E5001-1100</b> |
| 2000 ml Erlenmeyer Flask, Baffled Base (Sterile) | 6         | <b>E5001-1200</b> |
| 3000 ml Erlenmeyer Flask, Baffled Base (Sterile) | 3         | <b>E5001-1300</b> |

## Technical Specifications

|                                                                                    | 125 ml                                                                                     | 250 ml      | 500 ml       | 1000 ml      | 2000 ml      | 3000 ml<br>Fernbach Style |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------|--------------|--------------|--------------|---------------------------|
| Recommended fill volume (ml)                                                       | 31 – 50 ml                                                                                 | 62 – 100 ml | 125 – 200 ml | 250 – 400 ml | 500 – 800 ml | 750 – 1200 ml             |
| Base diameter                                                                      | 71 mm                                                                                      | 83 mm       | 105 mm       | 137 mm       | 165 mm       | 230.5 mm                  |
| Height (w/o cap)                                                                   | 105 mm                                                                                     | 133 mm      | 156 mm       | 204 mm       | 265 mm       | 250 mm                    |
| Height (with cap)                                                                  | 114.3 mm                                                                                   | 142.3 mm    | 165.3 mm     | 215.8 mm     | 276.8 mm     | 260 mm                    |
| Baffles per flask                                                                  | 4                                                                                          |             |              |              |              |                           |
| Cap air flow                                                                       | 3 L/min/cm²                                                                                |             |              |              |              |                           |
| Rotation speed                                                                     | 0–200 rpm                                                                                  |             |              |              |              |                           |
| Temperature range                                                                  | Flasks: -40 °C to 125 °C. Caps: 0 °C to 125 °C                                             |             |              |              |              |                           |
| Autoclavable                                                                       | Yes (caps & flasks, tested to withstand at least 10 cycles). Please refer to instructions. |             |              |              |              |                           |
| Sterility                                                                          | SAL 10 <sup>-6</sup>                                                                       |             |              |              |              |                           |
| Specifications (except number of baffles) applies to both flat and baffled flasks. |                                                                                            |             |              |              |              |                           |



# Cell Scrapers.

## Gentle harvesting

Gently raise/lift cells from the surface with Starlab cell scrapers. Pivoting blades pivot the full 360° around the handle for easy access to flask corners. Flexible ABS handles provide easy handling inside flasks.

### Ordering Information

|                         |             |             |  |
|-------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Article No.</b>      | <b>CC7600-0220</b>                                                                           | <b>CC7600-0250</b>                                                                           | <b>CC7600-0300</b>                                                                 |
| <b>Pack Size</b>        | 100                                                                                          | 100                                                                                          | 150                                                                                |
| <b>Length</b>           | 220 mm                                                                                       | 250 mm                                                                                       | 300 mm                                                                             |
| <b>Handle style</b>     | Straight                                                                                     | Angled                                                                                       | Straight                                                                           |
| <b>Handle material</b>  | Flexible ABS                                                                                 | Flexible ABS                                                                                 | Flexible ABS                                                                       |
| <b>Blade type</b>       | Fixed                                                                                        | Pivoting                                                                                     | Pivoting                                                                           |
| <b>Blade size</b>       | 11 mm                                                                                        | 10 mm                                                                                        | 20 mm                                                                              |
| <b>Blade material</b>   | Silicone<br>Ideal for use with stem cells due to reduced shearing from gentle silicone blade | Silicone<br>Ideal for use with stem cells due to reduced shearing from gentle silicone blade | Polyethylene<br>Wide blade to cover larger surfaces                                |
| <b>For use with</b>     | Plates, dishes<br>Use to gently lift cells from surface, rather than scrape                  | Small flasks<br>Flexibility provides access all corners of your flask                        | Large flasks<br>Wide blade and long handle ideal for use in large flasks           |
| <b>Certified</b>        | RNase, DNase, DNA & Pyrogen free                                                             | RNase, DNase, DNA & Pyrogen free                                                             | RNase & DNase free                                                                 |
| <b>Gamma sterilised</b> | SAL 10 <sup>-5</sup>                                                                         | SAL 10 <sup>-5</sup>                                                                         | SAL 10 <sup>-6</sup>                                                               |

Note: All cell scrapers are supplied individually-wrapped.

### MORE INFO

[www.starlab.click/cellscrapers](http://www.starlab.click/cellscrapers)

# 15 ml and 50 ml Centrifuge Tubes.



15 ml conical

## Max. centrifugation rates:

15 ml conical: 12,000 x g

50 ml conical: 12,000 x g

50 ml skirted: 6,000 x g



50 ml conical



50 ml skirted



## Extra moulded graduations!

15 ml Conical Tube: 0 – 1.0 ml

50 ml Conical Tube: 0 – 3.0 ml

## Product features

- Clear polypropylene tubes with green HDPE screw caps
- Easy to read black graduations
- Graduated to full 15 ml and 50 ml volumes
- White writing surface
- Autoclavable at 121 °C
- Freezable to -80 °C
- Shorter length, 2.5 turn screw caps with sealing ring prevents leaking
- Perfect for centrifugation of cells: USP Class VI, non-cytotoxic and sterile (SAL 10<sup>-6</sup>) material
- Heavy metal free
- Certified RNase, DNase, DNA and Pyrogen free

## 15 ml Centrifuge Tubes

| Description                                      | Pack Size | Article No.       |
|--------------------------------------------------|-----------|-------------------|
| 15 ml Centrifuge Tube, Conical, Loose (Sterile)  | 20 x 25   | <b>E1415-0100</b> |
| 15 ml Centrifuge Tube, Conical, Racked (Sterile) | 20 x 25   | <b>E1415-0700</b> |

Dimensions inc. cap (HxØ): 122.6 x 22 mm.



Racked tubes are supplied in recyclable cardboard trays

## 50 ml Centrifuge Tubes

| Description                                      | Pack Size | Article No.       |
|--------------------------------------------------|-----------|-------------------|
| <b>Conical Tubes</b>                             |           |                   |
| 50 ml Centrifuge Tube, Conical (Sterile), Loose  | 20 x 25   | <b>E1450-0100</b> |
| 50 ml Centrifuge Tube, Conical (Sterile), Racked | 20 x 25   | <b>E1450-0700</b> |
| <b>Skirted Tubes</b>                             |           |                   |
| 50 ml Centrifuge Tubes, Skirted (Sterile), Loose | 20 x 25   | <b>E1450-0400</b> |

Dimensions inc. cap (HxØ): Conical: 117 x 34.5 mm. Skirted: 120 x 34.5 mm.

## MORE INFO

[www.starlab.click/centrifugetubes](http://www.starlab.click/centrifugetubes)



## Cell Strainers.



**Cell Strainers with three different mesh sizes**  
Designed to fit perfectly into 50 ml centrifuge tubes

### Product features

- Uniform nylon mesh size of 40 µm, 70 µm, and 100 µm (colour-coded)
- Extended lip on the strainer enables aseptic handling with forceps
- Designed to fit into a 50 ml conical centrifuge tube
- Ideal for preparation of flow cytometry samples and are used with stem cells and primary cells
- RNase, DNase and Pyrogen free
- Gamma sterilised (SAL 10<sup>-6</sup>)

### Cell Strainers

| Description                            | Pack Size | Article No.        |
|----------------------------------------|-----------|--------------------|
| 40 µm Cell Strainer, Blue (Sterile)    | 50        | <b>CC8111-0042</b> |
| 70 µm Cell Strainer, White (Sterile)   | 50        | <b>CC8111-0072</b> |
| 100 µm Cell Strainer, Yellow (Sterile) | 50        | <b>CC8111-0102</b> |

### MORE INFO

[www.starlab.click/cellstrainer](http://www.starlab.click/cellstrainer)

## Syringe Filters.



PES Filters are ideal for pre-filtering before PFAS analysis

### Product features

- High bubble point membrane provides tighter pore size for greater security
- High burst pressure ensures safe operation
- Large filtration surface area allows you to filter your sample more easily
- Low hold-up volume provides maximum recovery of your solution
- Surfactant-free membrane for cleanliness in downstream applications
- Sterilised (SAL 10<sup>-6</sup>)



Supplied in easy-open plastic-paper blister packs. Lot No. and sterile validity date is printed on every pack.

See the extensive **Chemical Compatibility guide** for our Syringe Filters

### GO TO GUIDE

[www.starlab.click/syringefilter-chemicals](http://www.starlab.click/syringefilter-chemicals)

### Syringe Filters

| Description                                                          | Pack Size | Article No.       |
|----------------------------------------------------------------------|-----------|-------------------|
| <b>PES Membrane</b>                                                  |           |                   |
| 0.22 µm Syringe Filter, PES (Sterile), Yellow, Ø 33 mm               | 100       | <b>E4780-1226</b> |
| 0.45 µm Syringe Filter, PES (Sterile), Yellow, Ø 33 mm               | 100       | <b>E4780-1456</b> |
| <b>PVDF Membrane</b>                                                 |           |                   |
| 0.22 µm Syringe Filter, PVDF (Sterile), Blue, Ø 33 mm                | 100       | <b>E4780-1221</b> |
| 0.45 µm Syringe Filter, PVDF (Sterile), Blue, Ø 33 mm                | 100       | <b>E4780-1451</b> |
| <b>Cellulose Acetate Membrane</b>                                    |           |                   |
| 0.22 µm Syringe Filter, Cellulose Acetate (Sterile), Orange, Ø 33 mm | 100       | <b>E4780-1223</b> |
| 0.45 µm Syringe Filter, Cellulose Acetate (Sterile), Orange, Ø 33 mm | 100       | <b>E4780-1453</b> |

### MORE INFO

[www.starlab.click/syringefilters](http://www.starlab.click/syringefilters)



# Sample storage.



## STORAGE BOXES & RACKS

|                                      |     |
|--------------------------------------|-----|
| Cardboard Storage Boxes.....         | 100 |
| Storage Boxes.....                   | 102 |
| Cryogenic Storage Boxes & Racks..... | 105 |
| Storage Racks.....                   | 107 |
| Wire Storage Racks.....              | 108 |
| Multi-Tube Racks.....                | 109 |
| PCR Sample Racks .....               | 111 |

## BENCHTOP COOLERS

|                                |     |
|--------------------------------|-----|
| Chiller Racks.....             | 112 |
| Transport Cases & Coolers..... | 113 |

## FREEZER RACKING

|                                           |     |
|-------------------------------------------|-----|
| Freezer Racking for Upright Freezers..... | 114 |
| Stainless Steel Freezer Storage .....     | 116 |
| Freezer Racking for Chest Freezers ...    | 117 |
| Custom-Made Freezer Racking .....         | 117 |

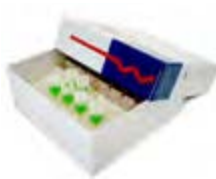
## SLIDE STORAGE

|                           |     |
|---------------------------|-----|
| Slide Storage Trays ..... | 118 |
| Slide Mailers .....       | 118 |



# Cardboard Storage Boxes.

NEW!



Brighten up your lab with this range of cardboard storage boxes with a standard 133 x 133 mm footprint. A moisture-resistant coating makes these boxes a durable yet economical storage solution.

Ease your sample inventory with the writing areas on the top and side of the lid.

Made in Germany from 100% recycled cardboard, in a factory powered by renewable energy, the boxes are supplied pre-assembled and can be recycled at the end of their life.

## 50 mm High Cardboard Storage Boxes

| Description                                                                                                                                                                                                       | Colour | Pack Size | Article No.         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|---------------------|
| <b>49-place</b> cardboard storage box with removable 7x7 dividers for tubes up to 16 mm diameter, eg. 1.2 / 2.0 ml cryogenic vials                                                                                | White  | 1         | <b>E2023-4949</b>   |
|                                                                                                                                                                                                                   |        | 36        | <b>E2023-4949-C</b> |
| <b>81-place</b> cardboard storage box with removable 9x9 dividers for tubes up to 13 mm diameter, eg. 1.5 / 2.0 ml microcentrifuge tubes, screw cap microtubes, 1.2 / 2.0 ml cryogenic vials with internal thread | White  | 1         | <b>E2023-8181</b>   |
|                                                                                                                                                                                                                   |        | 36        | <b>E2023-8181-C</b> |
| <b>100-place</b> cardboard storage box with removable 10x10 dividers for tubes up to 12 mm diameter, eg. screw cap microtubes                                                                                     | White  | 1         | <b>E2023-3100</b>   |
|                                                                                                                                                                                                                   |        | 36        | <b>E2023-3100-C</b> |

Dimensions (WxDxH): 133 x 133 x 53 mm (with lid). Max. tube diam. stated includes tube's cap. Tubes not included.

## MORE INFO

[www.starlab.click/cardboardstorage](http://www.starlab.click/cardboardstorage)



All 50 mm high boxes on this page and page 101 can be used in the freezer racking on page 114 & page 117.

A range of cardboard storage boxes with a standard 133 x 133 mm footprint. Moisture-resistant coating makes the boxes a durable yet economical storage solution.

NEW!



NEW PACK SIZES!

## 53 mm High Cardboard Storage Boxes

| Description                                                                                                                                                                                                       | Colour               | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------|-------------------|
| <b>81-place</b> cardboard storage box with removable 9x9 dividers for tubes up to 13 mm diameter, eg. 1.5 / 2.0 ml microcentrifuge tubes, screw cap microtubes, 1.2 / 2.0 ml cryogenic vials with internal thread | Blue <sup>2)</sup>   | 1         | <b>E2023-8101</b> |
|                                                                                                                                                                                                                   | Green <sup>2)</sup>  | 1         | <b>E2023-8102</b> |
|                                                                                                                                                                                                                   | Red <sup>2)</sup>    | 1         | <b>E2023-8104</b> |
|                                                                                                                                                                                                                   | Yellow <sup>2)</sup> | 1         | <b>E2023-8106</b> |

Dimensions (WxDxH) lid: 133 x 133 x 53 mm. Max. tube diam. stated includes tube's cap.

## 75 mm High Cardboard Storage Boxes

| Description                                                                                                                                                       | Colour | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------------------|
| <b>81-place</b> cardboard storage box with removable 9x9 dividers for tubes up to 13 mm diameter, eg. 3.0 / 4.0 ml cryovials with internal thread and 12x75 tubes | White  | 1         | <b>E2025-8181</b> |
| <b>100-place</b> cardboard storage box with removable 10x10 dividers for tubes up to 12 mm diameter                                                               | White  | 1         | <b>E2025-3100</b> |

Dimensions (WxDxH) lid: 133 x 133 x 75 mm. Max. tube diam. stated includes tube's cap.

**IMPORTANT:** The maximum number of tubes that will fit into each box depends on the size of the tube's cap. For example, if using tubes with a cap wider than 12 mm in the 100-place box it may restrict all 100 spaces being used.



A range of cardboard storage boxes with a standard 133 x 133 mm footprint, available in various heights and colours. Moisture-resistant coating makes the boxes a durable yet economical storage solution.

### 50 mm High Cardboard Storage Boxes

| Description                                                                                                                          | Box Colour | Pack Size | Article No. |
|--------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-------------|
| <b>Box only</b><br>50 mm high cardboard storage box (no dividers)                                                                    | White      | 6         | A9623-0000  |
|                                                                                                                                      | Green      | 6         | A9623-0002  |
| <b>25-place</b> cardboard storage box with removable 5x5 dividers for tubes up to 24.5 mm diameter, eg. 7.0 ml bijou containers      | White      | 6         | A9623-2525  |
|                                                                                                                                      | Blue       | 6         | A9623-2501  |
|                                                                                                                                      | Green      | 6         | A9623-2502  |
| <b>49-place</b> cardboard storage box with removable 7x7 dividers for tubes up to 16.5 mm diameter, eg. 1.2 / 2.0 ml cryogenic vials | White      | 6         | A9623-4949  |
|                                                                                                                                      | Green      | 6         | A9623-4902  |

Dimensions (WxDxH): 133 x 133 x 53 mm (with lid). Max. tube diam. stated includes tube's cap.

### 75 mm High Cardboard Storage Boxes

| Description                                                                                                                                            | Box Colour            | Pack Size | Article No. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|-------------|
| <b>Box only</b><br>75 mm high cardboard storage box (no dividers)                                                                                      | Colours <sup>1)</sup> | 6         | A9625-000#  |
| <b>25-place</b> cardboard storage box with removable 5x5 dividers for tubes up to 24.5 mm diameter                                                     | White                 | 6         | A9625-2525  |
|                                                                                                                                                        | Colours <sup>1)</sup> | 6         | A9625-250#  |
| <b>49-place</b> cardboard storage boxes with removable 7x7 dividers for tubes up to 16.5 mm diameter, eg. 3.0 / 4.0 ml cryogenic vials and 12x75 tubes | White                 | 6         | A9625-4949  |
|                                                                                                                                                        | Colours <sup>1)</sup> | 6         | A9625-490#  |

Dimensions (WxDxH): 133 x 133 x 78 mm (with lid). Max tube diam. stated includes tube's cap.

<sup>1)</sup>To order box colour required, replace # with 1 for Blue, 2 for Green, 4 for Red, 6 for Yellow.

### 100 mm High Cardboard Storage Boxes

| Description                                                                                                                                       | Box Colour            | Pack Size | Article No. |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|-------------|
| <b>Box only</b><br>100 mm high cardboard storage box (no dividers)                                                                                | Colours <sup>1)</sup> | 6         | A9627-000#  |
| <b>49-place</b> cardboard storage box with removable 7x7 dividers for tubes up to 16.5 mm diameter, eg. 5.0 ml cryogenic vials                    | Colours <sup>1)</sup> | 6         | A9627-490#  |
| <b>81-place</b> cardboard storage box with removable 9x9 dividers for tubes up to 13 mm diameter, eg. 5.0 ml cryogenic vials with internal thread | White                 | 6         | A9627-8181  |
|                                                                                                                                                   | Colours <sup>1)</sup> | 6         | A9627-810#  |

Dimensions (WxDxH): 133 x 133 x 103 mm (with lid). Max. tube diam. stated includes tube's cap.

<sup>1)</sup>To order box colour required, replace # with 1 for Blue, 2 for Green, 4 for Red, 6 for Yellow.

Can be used in the racking for our Underbench Freezer, see page 131.

### 32 mm High Cardboard Storage Boxes for PCR Tubes

| Description                                                                                                                                   | Box Colour            | Pack Size | Article No. |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|-------------|
| <b>Box only</b><br>32 mm high cardboard storage box (no dividers)                                                                             | White                 | 6         | A9632-0000  |
|                                                                                                                                               | Colours <sup>1)</sup> | 6         | A9632-000#  |
| <b>196-place</b> cardboard storage box with removable 14x14 dividers for tubes up to 8.0 mm diameter, eg. 0.5 ml PCR or microcentrifuge tubes | White                 | 6         | A9632-1969  |
|                                                                                                                                               | Colours <sup>1)</sup> | 6         | A9632-196#  |

Dimensions (WxDxH): 133 x 133 x 35 mm (with lid). Max. tube diam. stated includes tube's cap.

<sup>1)</sup>To order box colour required, replace # with 4 for Red, 6 for Yellow.



### 50 mm High Cardboard Storage Box with 136x136 mm footprint

Storage boxes with a slightly larger footprint.

Box only, no dividers. Dimensions (WxDxH): 136 x 136 x 53 mm (with lid).

Can be used in the freezer racking, pages 114 & 117.



### 136 x 136 mm Boxes

| Box Colour            | Pack Size | Article No. |
|-----------------------|-----------|-------------|
| <b>Box only</b>       |           |             |
| Colours <sup>1)</sup> | 6         | A9650-000#  |

<sup>1)</sup>To order box colour required, replace # with 1 for Blue, 2 for Green, 4 for Red.

### Cardboard Storage boxes for 15 ml or 50 ml Centrifuge Tubes

36-place for 15 ml tubes or 16-place for 50 ml tubes. White cardboard box with lift-off lid. Removable dividers. Moisture resistant coating.



### Centrifuge Tube Boxes

| Box Type                         | Pack Size | Article No. |
|----------------------------------|-----------|-------------|
| <b>36-Place</b><br>(15 ml Tubes) | 1         | E2023-1615  |
| <b>16-Place</b><br>(50 ml Tubes) | 1         | E2023-1650  |

Dimensions (WxDxH): 146 x 146 x 70 mm (with lid). Tubes not included.

# Storage Boxes.

## The StarStore 130 x 130 mm range for freezer storage

This range of StarStore storage boxes all have the same, standard 130 mm x 130 mm footprint. The non-hinged, lift-off lids enable tubes of varying heights to be stored inside. All boxes are made from rigid polypropylene and suitable for use in temperatures -90 °C to 121 °C. Polypropylene provides high chemical resistance. Autoclavable.

### StarStore 130 x 130 Storage Boxes

|                                                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                   | Colour                   | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-------------------|
|    | <b>StarStore 81</b><br>81-place polypropylene storage box with fixed 9x9 dividers for tubes up to 13 mm eg. 1.5/2.0 ml microcentrifuge tubes or screw cap microtubes.<br>Transparent lift-off lid with frosted writing panel on side. Vent holes in base to aid draining and lid removal. Printed reference grid on base.<br>Dimensions (WxDxH): 130 x 130 x 45 mm<br>Max. tube height: 60 mm | Natural                  | 5         | <b>I2381-5040</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                               | Black                    | 5         | <b>I2381-5049</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                               | Neon Blue                | 5         | <b>I2381-5041</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                               | Neon Green               | 5         | <b>I2381-5042</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                               | Neon Orange              | 5         | <b>I2381-5043</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                               | Neon Pink                | 5         | <b>I2381-5044</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                               | Neon Yellow              | 5         | <b>I2381-5046</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                               | Neon Mixed <sup>1)</sup> | 5         | <b>I2381-5048</b> |
|   | <b>StarStore 49</b><br>49-place polypropylene storage box with fixed 7x7 dividers for tubes up to 16 mm.<br>Transparent lift-off lid with frosted writing panel on side. Vent holes in base to aid draining and lid removal.<br>Dimensions (WxDxH): 130 x 130 x 46 mm<br>Max. tube height: 60 mm                                                                                              | Natural                  | 5         | <b>E2349-5009</b> |
|  | <b>StarStore</b><br>Polypropylene storage box with no dividers for the storage of various tube shapes and sizes.<br>Transparent lift-off lid. Vent holes in base to aid draining and lid removal.<br>Dimensions (WxDxH): 130 x 130 x 45 mm                                                                                                                                                    | Natural                  | 5         | <b>E2300-5005</b> |

Tubes not included. <sup>1)</sup>Mixed pack contains one of each neon colour.



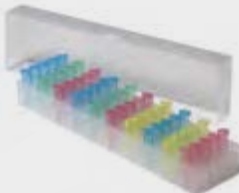
The storage boxes above can be used in the freezer racking on pages 114 and 117.

**MORE INFO**

[www.starlab.click/storageboxes](http://www.starlab.click/storageboxes)

100-place long, polypropylene storage box. Temperature use: -90 °C to 121 °C. Autoclavable.

### Long Storage Box

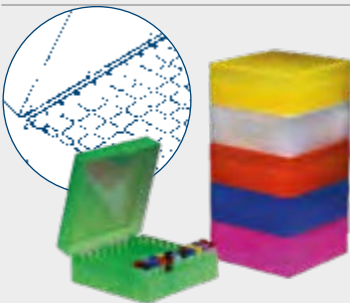
|                                                                                     | Description                                                                                                                                                                                                                                                                         | Colour  | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|-------------------|
|  | <b>Long Storage Box</b><br>100-place polypropylene storage box with fixed 5x20 dividers for tubes up to 13 mm eg. 1.5/2.0 ml microcentrifuge tubes or screw cap microtubes.<br>Lift-off lid with moulded matrix.<br>Dimensions (WxDxH): 76 x 287 x 36 mm<br>Max. tube height: 50 mm | Natural | 5         | <b>E2100-1100</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                     | Blue    | 5         | <b>E2100-1101</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                     | Green   | 5         | <b>E2100-1102</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                     | Red     | 5         | <b>E2100-1104</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                     |         |           |                   |

Tubes not included. \*Black box completely blocks out light for light-sensitive samples.



Polypropylene provides high chemical resistance. Temperature use: -90 °C to 121 °C. Autoclavable.

### StarStore 100 Storage Boxes

|  | Description                                                                                                                                                                                                                                                                                                        | Colour                   | Pack Size | Article No.       |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-------------------|
|                                                                                   | <b>StarStore 100</b><br>100-place polypropylene storage box with fixed 10x10 dividers for tubes up to 13 mm eg. 1.5/2.0 ml microcentrifuge tubes, screw cap microtubes.<br>Hinged, lockable lid with positioning lugs for stable stacking. Moulded reference grid inside.<br>Dimensions (WxDxH): 140 x 155 x 55 mm | Natural                  | 5         | <b>I2310-5800</b> |
|                                                                                   |                                                                                                                                                                                                                                                                                                                    | Neon Blue                | 5         | <b>I2310-5841</b> |
|                                                                                   |                                                                                                                                                                                                                                                                                                                    | Neon Green               | 5         | <b>I2310-5842</b> |
|                                                                                   |                                                                                                                                                                                                                                                                                                                    | Neon Orange              | 5         | <b>I2310-5843</b> |
|                                                                                   |                                                                                                                                                                                                                                                                                                                    | Neon Pink                | 5         | <b>I2310-5844</b> |
|                                                                                   |                                                                                                                                                                                                                                                                                                                    | Neon Yellow              | 5         | <b>I2310-5846</b> |
|                                                                                   |                                                                                                                                                                                                                                                                                                                    | Mixed Neon <sup>1)</sup> | 5         | <b>I2310-5848</b> |

Tubes not included. <sup>1)</sup>Mixed pack contains one of each neon colour.

### MORE INFO

[www.starlab.click/storageboxes](http://www.starlab.click/storageboxes)

**StarStore 100**  
boxes can be used  
with the freezer  
racking on page 103.



### 50-Place Storage Boxes

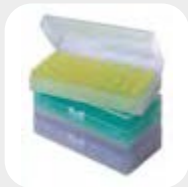
|  | Description                                                                                                                                                                                                                                                                                                                | Colour                   | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-------------------|
|                                                                                     | <b>StarStore 50 Neon, Hinged</b><br>50-place polypropylene storage box with fixed 5x10 dividers for tubes up to 13 mm eg. 1.5/2.0 ml microcentrifuge tubes, screw cap microtubes.<br>Hinged, lockable lid with positioning lugs for stable stacking Moulded reference grid inside.<br>Dimensions (WxDxH): 140 x 80 x 55 mm | Natural                  | 5         | <b>I2350-5800</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                            | Neon Blue                | 5         | <b>I2350-5841</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                            | Neon Green               | 5         | <b>I2350-5842</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                            | Neon Yellow              | 5         | <b>I2350-5846</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                            | Mixed Neon <sup>1)</sup> | 5         | <b>I2350-5848</b> |
|  | <b>StarStore 50 (Stackable)</b><br>50-place polypropylene storage box with fixed 5x10 dividers for tubes up to 13 mm eg. 1.5/2.0 ml microcentrifuge tubes.<br>Lift-off lid with positioning lugs for stable stacking.<br>Dimensions (WxDxH): 144 x 75 x 35 mm<br>Max. tube height: 45 mm                                   | Green                    | 5         | <b>E2450-5002</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                            | Pink                     | 5         | <b>E2450-5004</b> |
|  | <b>StarStore 50</b><br>50-place polypropylene storage box with fixed 5x10 dividers for tube up to 13 mm eg. 1.5/2.0 ml microcentrifuge tubes.<br>Transparent, lift-off lid.<br>Dimensions (WxDxH): 146 x 76 x 38 mm                                                                                                        | Natural                  | 5         | <b>E2350-5009</b> |
|  | <b>StarStore 50 Jr</b><br>50-place polypropylene storage box with fixed 5x10 dividers for tubes up to 10 mm eg. 0.5ml microcentrifuge or PCR tubes.<br>Lift-off lid with moulded matrix.<br>Dimensions (WxDxH): 121 x 62 x 37 mm<br>Max. tube height: 60 mm                                                                | Natural                  | 5         | <b>E2305-6009</b> |

Tubes not included. <sup>1)</sup>Mixed pack contains one each of: neon blue, neon green, neon orange, neon pink and neon yellow.

# Storage Boxes.

High-profile storage boxes for use with screw cap microtubes and other taller tubes up to 53 mm high.

## High-Profile Storage Boxes

|                                                                                   | Description                                                                                                                                                                                                                                                                                    | Colour                    | Pack Size | Article No.       |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------|-------------------|
|  | <b>200-place</b><br>200-place polypropylene storage box with fixed 10x20 dividers for tubes up to 12.5 mm eg. screw cap microtubes.<br>Moulded reference grid inside. Hinged lid with positioning lugs for stable stacking.<br>Dimensions (WxDxH): 275 x 155 x 64 mm<br>Max tube height: 53 mm | Natural                   | 1         | <b>E2200-1000</b> |
|                                                                                   |                                                                                                                                                                                                                                                                                                | Black <sup>1)</sup>       | 1         | <b>E2200-1008</b> |
|  | <b>100-place</b><br>100-place polypropylene storage box with fixed 10x10 dividers for tube up to 12.5 mm eg. screw cap microtubes.<br>Moulded reference grid inside. Hinged lid with positioning lugs for stable stacking.<br>Dimensions (WxDxH): 140 x 155 x 64 mm<br>Max tube height: 53 mm  | Natural/Natural           | 5         | <b>E2100-5000</b> |
|                                                                                   |                                                                                                                                                                                                                                                                                                | Natural/Blue              | 5         | <b>E2100-5001</b> |
|                                                                                   |                                                                                                                                                                                                                                                                                                | Natural/Red               | 5         | <b>E2100-5004</b> |
|                                                                                   |                                                                                                                                                                                                                                                                                                | Black/Black <sup>1)</sup> | 5         | <b>E2100-5008</b> |

Tubes not included. <sup>1)</sup>Black box completely blocks out light for light-sensitive samples.

Polypropylene storage boxes. Temperature use: -90 °C to 121 °C. Autoclavable.

## 15 ml & 50 ml Centrifuge Tube Storage Boxes

|                                                                                     | Description                                                                                                                                                                                                                                                                                                                                             | Colour                     | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------|-------------------|
|  | <b>Centrifuge tube storage / transport boxes</b><br>36-place green polypropylene box with fixed 6x6 dividers for 15 ml tubes.<br>16-place blue polypropylene box with fixed 4x4 dividers for 50 ml tubes.<br>Clear lift-off lid. White printed matrix on base. Base can be removed for use in the water bath.<br>Dimensions (WxDxH): 145 x 145 x 127 mm | Green<br>(for 15 ml tubes) | 2         | <b>E9025-3615</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                         | Blue<br>(for 50 ml tubes)  | 2         | <b>E9025-1650</b> |

Tubes not included.

Polycarbonate storage boxes. Temperature use: -196 °C to 121 °C. Autoclavable.

## 7.0 ml Bijou Storage Boxes

|                                                                                     | Description                                                                                                                                                                                                                                                                                                 | Colour | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------------------|
|  | <b>for 7.0 ml bijou containers</b><br>25-place polycarbonate storage box with fixed 5x5 dividers for 7.0 ml bijou containers<br>Moulded reference on base. Transparent lift-off lid with frosted writing surface. Autoclavable. Temperature use -196° C to 121° C.<br>Dimensions (WxDxH): 133 x 133 x 55 mm | White  | 1         | <b>E2381-2525</b> |

Tubes not included.

Polystyrene storage boxes. Temperature use: -80 °C to 100 °C.

## 5.0 ml Centrifuge Tube Storage Boxes

|                                                                                     | Description                                                                                                                                                                                                                                               | Colour     | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|-------------------|
|  | <b>for 5.0 ml Centrifuge Tubes</b><br>25-place polystyrene storage box with fixed 5x5 dividers for 5.0 ml centrifuge tubes.<br>Transparent lift-off lid with printed matrix.<br>Temperature use -90° C to 80° C.<br>Dimensions (WxDxH): 133 x 133 x 67 mm | Blue/White | 3         | <b>E2325-5021</b> |

Tubes not included.



# Cryogenic Storage Boxes & Racks.



## Product features

- Polycarbonate storage boxes for ultra low temperature use
- Coloured base with crystal-clear, lift-off lid
- Printed matrix on dividers
- Temperature use -196 °C to 121 °C
- Autoclavable

**81-place & 100-place boxes can be used in the freezer racking on page 114 & page 117.**

## Cryogenic Storage Boxes

|                                                                                     | Description                                                                                                                                                                                                                                                                                                         | Colour              | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------|-------------------|
|    | <b>25-place</b><br>25-place polycarbonate storage box with fixed 5x5 grid dividers for tubes up to 13 mm eg. 1.0 ml and 1.8 ml cryogenic vials.<br>Coloured base with crystal-clear, lift-off lid.<br>Printed matrix on dividers.<br>Dimensions (WxDxH): 76 x 76 x 54 mm<br>Max. tube height: 49 mm                 | Green               | 5         | <b>E2381-5002</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     | Orange              | 5         | <b>E2381-5003</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     | Red                 | 5         | <b>E2381-5004</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     | Yellow              | 5         | <b>E2381-5006</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     | Mixed <sup>1)</sup> | 5         | <b>E2381-5099</b> |
|  | <b>81-place</b><br>81-place polycarbonate storage box with fixed 9x9 grid dividers for tubes up to 13 mm eg. 1.0 ml and 1.8 ml cryogenic vials.<br>Coloured base with crystal-clear, lift-off lid.<br>Printed matrix on grid dividers.<br>Dimensions (WxDxH): 133 x 133 x 53 mm<br>Max. tube height: 49 mm          | Blue                | 5         | <b>E2382-5001</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     | Green               | 5         | <b>E2382-5002</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     | Orange              | 5         | <b>E2382-5003</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     | Red                 | 5         | <b>E2382-5004</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     | Yellow              | 5         | <b>E2382-5006</b> |
|  | <b>81-place tall</b><br>81-place polycarbonate storage box with fixed 9x9 grid dividers for tubes up to 13 mm eg. 4.5 ml cryogenic vials.<br>Coloured base with crystal-clear, lift-off lid.<br>Printed matrix on grid dividers.<br>Dimensions (WxDxH): 133 x 133 x 95 mm.<br>Max. tube height: 90 mm.              | Green               | 5         | <b>E2382-6002</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     | Orange              | 5         | <b>E2382-6003</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     | Yellow              | 5         | <b>E2382-6006</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     | Mixed <sup>1)</sup> | 5         | <b>E2382-6099</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     |                     |           |                   |
|  | <b>100-place</b><br>100-place polycarbonate storage box with fixed 10x10 pronged dividers for tubes up to 13 mm eg. 1.0 ml and 1.8 ml cryogenic vials.<br>Coloured base with crystal-clear, lift-off lid.<br>Printed matrix on grid dividers.<br>Dimensions (WxDxH): 133 x 133 x 53 mm.<br>Max. tube height: 49 mm. | Blue                | 5         | <b>E2383-5001</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     | Green               | 5         | <b>E2383-5002</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     | Orange              | 5         | <b>E2383-5003</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     | Red                 | 5         | <b>E2383-5004</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     | Yellow              | 5         | <b>E2383-5006</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                     | Mixed <sup>1)</sup> | 5         | <b>E2383-5099</b> |

<sup>1)</sup>Contains one of each colour: Blue, Green, Orange, Red, Yellow.



Grid dividers:  
25-place and  
81-place boxes



Pronged dividers:  
100-place box

## MORE INFO

[www.starlab.click/cryogenicstorage](http://www.starlab.click/cryogenicstorage)



# Cryogenic Storage Boxes & Racks.

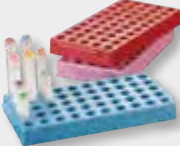
Zylar resin storage box. Temperature use: -196 °C to 121 °C. Autoclavable.

| StarStore 81Z                                                                     |                                                                                                                                                                                                                                                                                                        |         |           |                   |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|-------------------|
|                                                                                   | Description                                                                                                                                                                                                                                                                                            | Colour  | Pack Size | Article No.       |
|  | <b>StarStore 81Z</b><br>81-place zylar resin storage box with fixed 9x9 dividers for tubes up to 13mm eg. 1.0 ml cryogenic vials.<br>Transparent lift-off lid with frosted writing panels on sides.<br>Vent strips in base for safety and to aid lid removal.<br>Dimensions (WxDxH): 130 x 130 x 45 mm | Natural | 5         | <b>E2301-5309</b> |
|                                                                                   | Can be used in freezer racking on page 114 and page 117.                                                                                                                                                                                                                                               |         |           |                   |

Polycarbonate storage box. Temperature use: -196 °C to 121 °C. Autoclavable.

| 81- and 100-place Cryo Boxes                                                                                         |                                                                                                                                                                                                                                                                                                                                                                         |           |           |                   |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-------------------|
|                                                                                                                      | Description                                                                                                                                                                                                                                                                                                                                                             | Box Type  | Pack Size | Article No.       |
|                                    | <b>Cryogenic storage boxes</b><br>81-place polycarbonate storage box with fixed 9x9 grid dividers<br>100-place polycarbonate storage box with fixed 10x10 pronged dividers<br>White polycarbonate base with transparent, keyed (one-way) lift-off lid with printed reference grid. Drain holes on base for venting and safety.<br>Dimensions (WxDxH): 133 x 133 x 53 mm | 81-place  | 5         | <b>I2381-2305</b> |
|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                         | 100-place | 5         | <b>I2510-5005</b> |
| Can be used in freezer racking on page 114 and page 117. See previous page for explanation of grid/pronged dividers. |                                                                                                                                                                                                                                                                                                                                                                         |           |           |                   |

Polypropylene provides high chemical resistance. Temperature use: -90 °C to 121 °C. Autoclavable.

| Cryogenic Lock Racks                                                                |                                                                                                                                                                                                                                                                               |        |           |                   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------------------|
|                                                                                     | Description                                                                                                                                                                                                                                                                   | Colour | Pack Size | Article No.       |
|  | <b>Cryogenic lock rack</b><br>50-place polypropylene rack with a 5x10 array for use with skirted cryogenic vials.<br>Vials lock into the rack for easy one-handed cap removal.<br>Anti-skid rubber feet for stability on the bench.<br>Dimensions (WxDxH): 200 x 100 x 25 mm. | Blue   | 4         | <b>E2350-4001</b> |
|                                                                                     |                                                                                                                                                                                                                                                                               | Red    | 4         | <b>E2350-4004</b> |
|                                                                                     |                                                                                                                                                                                                                                                                               | Violet | 4         | <b>E2350-4005</b> |
| Tubes not included.                                                                 |                                                                                                                                                                                                                                                                               |        |           |                   |

## MORE INFO

[www.starlab.click/cryogenicstorage](http://www.starlab.click/cryogenicstorage)

Impact-resistant acetal polymer rack for cryogenic storage vials. Excellent chemical resistance. Autoclavable.

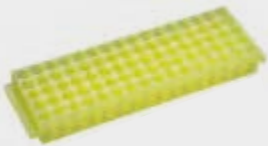
| StarRack Multi, for Cryovials                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                             |                                                                     |           |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------|-------------------|
|                                                                                                                                                   | Description                                                                                                                                                                                                                                                                                                                                                 | Colour                                                              | Pack Size | Article No.       |
|                                                                | <b>StarRack Multi</b><br>84-place acetal polymer tube rack with a 6x14 array for tubes up to 13 mm eg. 3.6 ml and 4.5 ml cryogenic storage vials and 12x75 tubes.<br>Convenient carrying handles on either end of rack. Ideal for use in the waterbath as the rack will sink to the bottom without toppling over!<br>Dimensions (WxDxH): 293 x 115 x 65 mm. | Mixed (contains one each of blue, green, violet, yellow and orange) | 5         | <b>E2396-9759</b> |
| Tubes not included. NOTE: Not suitable for use with microcentrifuge tubes. For benchtop use only, not suitable for direct use in liquid nitrogen. |                                                                                                                                                                                                                                                                                                                                                             |                                                                     |           |                   |



## Storage Racks.

Polypropylene provides high chemical resistance. Temperature use: -90 °C to 121 °C. Autoclavable.

### StarRack 80

|                                                                                   | Description                                                                                                                                                                                                                                              | Colour                   | Pack Size | Article No.       |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-------------------|
|  | <b>StarRack 80</b><br>80-place polypropylene fraction collection rack with a 5x16 array for tubes up to 11mm eg. 1.5/2.0 ml microcentrifuge tubes.<br>Alpha numeric reference grid.<br>Rack does not have a lid.<br>Dimensions (WxDxH): 226 x 67 x 28 mm | Natural                  | 5         | <b>E2380-5000</b> |
|                                                                                   |                                                                                                                                                                                                                                                          | Mixed Neon <sup>1)</sup> | 5         | <b>E2380-5048</b> |

<sup>1)</sup>Mixed Neon pack contains one of each neon colour: blue, green, orange, pink, yellow.

### Rack for 5.0 ml Centrifuge Tubes

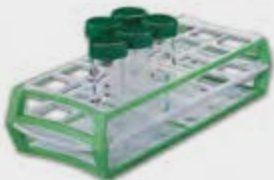
|                                                                                   | Description                                                                                                                                                                       | Colour | Pack Size | Article No.       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|-------------------|
|  | <b>Rack for 5.0 ml Centrifuge Tubes</b><br>25-place polypropylene rack for use with 5.0 ml Centrifuge Tubes<br>Rack does not have a lid.<br>Dimensions (WxDxH): 147 x 114 x 38 mm | Blue   | 5         | <b>E2325-5011</b> |

### MORE INFO

[www.starlab.click/tuberacks](http://www.starlab.click/tuberacks)

Impact-resistant acetal polymer rack. Excellent chemical resistance. Autoclavable.

### StarRack Multi, for 15 ml or 50 ml Centrifuge Tubes

|                                                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                 | Colour                                                                 | Pack Size | Article No.                                     |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----------|-------------------------------------------------|
|  | <b>StarRack Multi for 15 ml or 50 ml Tubes</b><br>60-place acetal polymer rack with 5x12 array for tubes up to 16 mm, eg. 15 ml tubes<br>18-place acetal polymer rack with 3x6 array for tubes up to 30 mm, eg. 50 ml tubes<br>Convenient carrying handles on either end of the rack.<br>Ideal for use in the waterbath as the rack will sink to the bottom without toppling over!<br>Dimensions (WxDxH): 293 x 115 x 65 mm | Mixed<br>(contains one each of blue, green, violet, yellow and orange) | 5         | <b>E2396-9769</b><br>(60-place for 15 ml Tubes) |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                        | 5         | <b>E2396-9779</b><br>(18-place for 50 ml Tubes) |

Tubes not included.



# Wire Storage Racks.

## Wire Storage Racks

Chemically-resistant epoxy-coated wire racks, suitable for use in the hood.  
Temperature use: -80 °C to 121 °C. Autoclavable.

| Wire Storage Racks                                                                  |                                                                                                                                                                                                                                                                                     |                                                 |           |                   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-----------|-------------------|
|                                                                                     | Description                                                                                                                                                                                                                                                                         | Rack Type                                       | Pack Size | Article No.       |
|    | <b>Racks for 7.0ml bijou containers</b><br>Chemically resistant epoxy-coated wire racks, blue.<br>Suitable for tubes up to 20 mm<br>eg. 7.0ml bijou containers.<br>Dimensions (WxDxH):<br>12 place: 164 x 64 x 32 mm<br>50 place: 271 x 145 x 32 mm                                 | 12-Place<br>7.0ml Bijou<br>(2 x 6 format)       | 1         | <b>E2396-1612</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                     | 50-Place<br>7.0ml Bijou<br>(10 x 5 format)      | 1         | <b>E2396-1650</b> |
|    | <b>Racks for 30ml universal containers</b><br>Chemically resistant epoxy-coated wire racks, blue.<br>Suitable for tubes up to 28 mm<br>eg. 30 ml universal containers.<br>Dimensions (WxDxH):<br>12 place: 212 x 79 x 60 mm<br>50 place: 355 x 189 x 60 mm                          | 12-Place<br>30 ml Universals<br>(2 x 6 format)  | 1         | <b>E2396-1712</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                     | 50-Place<br>30 ml Universals<br>(10 x 5 format) | 1         | <b>E2396-1750</b> |
|   | <b>15-place rack for 15 ml tubes</b><br>Chemically resistant epoxy-coated wire rack, blue.<br>Suitable for tubes up to 17 mm<br>eg. 15 ml conical centrifuge tubes.<br>Dimensions (WxDxH): 127 x 76 x 176 mm                                                                        | 15-Place<br>15 ml Tubes<br>(3 x 5 format)       | 1         | <b>E2396-1515</b> |
|  | <b>8-place rack for 50 ml tubes</b><br>Chemically resistant epoxy-coated wire rack, blue.<br>Suitable for tubes up to 30 mm<br>eg. 50 ml conical centrifuge tubes.<br>Dimensions (WxDxH): 147 x 80 x 89 mm                                                                          | 8-Place<br>50 ml Tubes<br>(2 x 4 format)        | 1         | <b>E2396-1550</b> |
|  | <b>72-place racks for blood collection tubes</b><br>Chemically resistant epoxy-coated wire racks, blue.<br>Suitable for 13 mm or 16 mm blood collection tubes<br>and test tubes.<br>Dimensions (WxDxH):<br>For 13 mm tubes: 205 x 105 x 65 mm<br>For 16 mm tubes: 241 x 188 x 65 mm | 72-Place<br>13 mm tubes<br>(6 x 12 format)      | 1         | <b>E2396-7213</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                     | 72-Place<br>16 mm tubes<br>(6 x 12 format)      | 1         | <b>E2396-7216</b> |

Tubes not included.

MORE INFO

[www.starlab.click/tuberacks](http://www.starlab.click/tuberacks)



# Multi-Tube Racks.

Polypropylene provides high chemical resistance. Temperature use: -90 °C to 121 °C. Autoclavable.

| StarRacks                                                                                                   |                                                                                                                                                                                                                                                                                                                                  |                          |           |                   |
|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-------------------|
|                                                                                                             | Description                                                                                                                                                                                                                                                                                                                      | Colour                   | Pack Size | Article No.       |
| <b>Double-sided!</b><br>   | <b>StarRack 40</b><br>40-place double-sided polypropylene rack suitable for use with:<br>32 x 0.5 ml AND 8 x 1.5/2.0 ml tubes on one side,<br>32 x 1.5/2.0 ml AND 8 x 0.5 ml tubes on the other.<br>Transparent, lift-off lid.<br>Moulded matrix on both sides.<br>Dimensions (WxDxH):<br>170 x 80 x 28 mm (50 mm high with lid) | Mixed Neon <sup>1)</sup> | 5         | <b>E2340-3099</b> |
|                                                                                                             |                                                                                                                                                                                                                                                                                                                                  |                          |           |                   |
| <b>Double-sided!</b><br>  | <b>StarRack 64</b><br>64-place double-sided polypropylene rack suitable for use with:<br>0.5 ml microcentrifuge or PCR tubes on one side,<br>1.5/2.0 ml microcentrifuge tubes on the other.<br>Transparent, lift-off lid.<br>Moulded matrix on both sides.<br>Dimensions (WxDxH):<br>130 x 130 x 30 mm (50 mm high with lid)     | Natural                  | 5         | <b>E2364-6000</b> |
|                                                                                                             |                                                                                                                                                                                                                                                                                                                                  | Mixed Neon <sup>1)</sup> | 5         | <b>E2364-6048</b> |
| <b>Double-sided!</b><br> | <b>StarRack 96</b><br>96-place double-sided polypropylene rack suitable for use with:<br>0.5 ml microcentrifuge or PCR tubes on one side,<br>1.5/2.0 ml microcentrifuge tubes on the other.<br>Transparent, lift-off lid.<br>Moulded matrix on both sides.<br>Dimensions (WxDxH):<br>222 x 114 x 28 mm (50 mm high with lid)     | Natural                  | 1         | <b>E2396-0010</b> |
|                                                                                                             |                                                                                                                                                                                                                                                                                                                                  | Mixed Neon <sup>1)</sup> | 5         | <b>I2396-5048</b> |

<sup>1)</sup>Mixed neon packs contain one of each neon colour: blue, green orange, pink, yellow.

## MORE INFO

[www.starlab.click/starrack](http://www.starlab.click/starrack)

| Totally Tubular™                                                                    |                                                                                                                                                                                                                                                                                                                                                    |                                                       |                    |                   |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------|-------------------|
|                                                                                     | Description                                                                                                                                                                                                                                                                                                                                        | Colour                                                | Pack Size          | Article No.       |
|  | <b>Totally Tubular™</b><br>Comprises four, 29-place polypropylene racks in a support tray. Suitable for use with:<br>2 x 50 ml centrifuge tubes (30 mm)<br>6 x 15 ml centrifuge tubes (17 mm)<br>9 x 1.5/2.0 ml microcentrifuge tubes (12 mm)<br>12 x 0.5 ml microcentrifuge or PCR tubes (11 mm)<br>Ind. rack dimensions (WxDxH): 93 x 93 x 48 mm | Yellow<br>Blue<br>Green<br>Red                        | 1 Tray,<br>4 Cubes | <b>I2344-1000</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                                                    | Neon Green<br>Neon Orange<br>Neon Pink<br>Neon Yellow | 1 Tray,<br>4 Cubes | <b>I2344-1040</b> |

Tubes not included.



# Multi-Tube Racks.

Versatile racking systems ideal for use in the hood.  
Polypropylene provides high chemical resistance. Temperature use: -90 °C to 121 °C. Autoclavable.

| Combi Racks                                                                                                      |                                                                                                                                                                                                                                             |                                                                                   |                          |           |                   |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|-----------|-------------------|
|                                                                                                                  | Description                                                                                                                                                                                                                                 |                                                                                   | Colour                   | Pack Size | Article No.       |
|                                 | <b>Combi-Mini</b><br>80-place polypropylene rack for use with:<br>4 x 50 ml tubes (30 mm)<br>12 x 15 ml tubes (17 mm)<br>32 x 1.5/ 2.0 ml tubes (12 mm)<br>32 x 0.5 ml tubes (8 mm)<br><br>Dimensions (WxDxH): 171 x 91 x 54 mm             |  | Natural                  | 1         | <b>E2345-1000</b> |
|                                                                                                                  |                                                                                                                                                                                                                                             |                                                                                   | Neon Pink                | 1         | <b>E2345-1044</b> |
|                                                                                                                  |                                                                                                                                                                                                                                             |                                                                                   | Neon Yellow              | 1         | <b>E2345-1046</b> |
|                                                                                                                  |                                                                                                                                                                                                                                             |                                                                                   | Mixed Neon <sup>1)</sup> | 5         | <b>E2345-1099</b> |
|                                | <b>Combi-Max 92</b><br>92-place polypropylene rack for use with:<br>8 x 50 ml tubes (30 mm)<br>20 x 20 mm diam. tubes (21 mm)<br>24 x 15 ml tubes (17 mm)<br>40 x 12/ 13 mm diam tubes (13 mm)<br><br>Dimensions (WxDxH): 198 x 114 x 95 mm |                                                                                   | Neon Blue                | 1         | <b>E2346-1041</b> |
|                                                                                                                  |                                                                                                                                                                                                                                             |                                                                                   | Neon Green               | 1         | <b>E2346-1042</b> |
|                                                                                                                  |                                                                                                                                                                                                                                             |                                                                                   | Neon Orange              | 1         | <b>E2346-1043</b> |
|                                                                                                                  |                                                                                                                                                                                                                                             |                                                                                   | Neon Pink                | 1         | <b>E2346-1044</b> |
|                                                                                                                  |                                                                                                                                                                                                                                             |                                                                                   | Neon Yellow              | 1         | <b>E2346-1046</b> |
| Tubes not included. <sup>1)</sup> Mixed packs contain one of each colour neon blue, green, orange, pink, yellow. |                                                                                                                                                                                                                                             |                                                                                   |                          |           |                   |

## MORE INFO

[www.starlab.click/tuberacks](http://www.starlab.click/tuberacks)

| TwisStar Rack                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                           |                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------|----------------------------|
|                                                                                                                                                                            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Colour                    | Pack Size      Article No. |
| <br> | <b>TwisStar</b><br>Comprises four different coloured polypropylene sections that can be rotated and locked together to achieve various configurations for holding different tubes and a PCR plate.<br>Suitable for use with:<br>50 ml tubes (max. 30 mm ø)      2 tubes per section<br>15 ml tubes (max. 18 mm ø)      8 tubes per section<br>1.5/ 2.0 ml tubes (max. 11 mm ø)      12 tubes per section<br>0.5 ml tubes (max. 8.0 mm ø)      6 tubes per section<br>PCR Plate      1 plate across 2 sections<br>8-Tube PCR Strips      6 strips per section<br>12-Tube PCR Strips      8 strips across 2 sections<br>0.2ml PCR Tubes      48 tubes per section<br>Dimensions (WxDxH): 257 x 108 x 108 mm (combined)<br>69 x 108 x 108 mm (individual section) |  | Yellow, Blue, Green & Red | 1 <b>E2344-1099</b>        |
|                                                                                                                                                                            | Plate / tubes not included.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                           |                            |



# PCR Sample Racks.

## StarPCR Work Rack

|                                                                                   | Description                                                                                                                                                                                                                                                                                                                                     | Colour                                                           | Pack Size | Article No.       |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------|-------------------|
|  | <b>StarPCR work rack</b><br>96-place polypropylene rack for use with:<br>1 x 96-well PCR plate or 0.2 ml PCR tubes or strips<br>Positive snap-in transparent lid guarantees safe closure.<br>Stackable with or without lid. Suitable for use down to -90 °C<br>Dimensions (WxDxH): 138 x 98 x 39 mm (with lid)<br><b>Note:</b> Not autoclavable | Mixed<br>(contains one each of Blue, Green, Red, Violet, Yellow) | 5         | <b>E2396-5240</b> |

## PCR Work Rack (double-sided)

|                                                                                                  | Description                                                                                                                                                                                                                                                                                                                                                   | Colour                                                           | Pack Size | Article No.       |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------|-------------------|
| <br>Hinged lid! | <b>Double-sided PCR work rack</b><br>Polypropylene rack suitable for use with:<br>168 x 0.2 ml PCR tubes AND 12 x 1.5 ml PCR tubes on one side, 40 x 0.5 ml PCR tubes AND 12 x 1.5 ml PCR tubes on the other.<br>Detachable, transparent hinged lid.<br>Temperature use: -90 °C to 121 °C. Autoclavable.<br>Dimensions (WxDxH): 206 x 131 x 54 mm (with lid). | Mixed<br>(contains one each of Blue, Green, Orange Pink, Yellow) | 5         | <b>E2396-0599</b> |

Tubes not included.

## PCR Workstation

|                                                                                     | Description                                                                                                                                                                                                                                                                                                     | Colour                    | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------|-------------------|
|  | <b>Rack A only (Satellite Rack)</b><br>96-place polypropylene rack to hold:<br>0.2 ml PCR tubes / strips or 1 x 96-well PCR plate.<br>Each rack supplied with its own transparent, lift-off lid.<br>Dimensions (WxDxH): 127 x 87 x 33 mm (with lid)                                                             | Neon Blue                 | 1         | <b>E2396-1641</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                 | Neon Green                | 1         | <b>E2396-1642</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                 | Neon Orange               | 1         | <b>E2396-1643</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                 | Neon Pink                 | 1         | <b>E2396-1644</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                 | Neon Yellow               | 1         | <b>E2396-1646</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                 | Mixed Neon <sup>1)</sup>  | 5         | <b>E2396-9649</b> |
|  | <b>Rack B only (Workstation Rack)</b><br>72-place polypropylene rack to hold:<br>32 x 0.2 ml PCR tubes<br>16 x 0.5 ml microcentrifuge or PCR tubes<br>24 x 1.5 / 2.0 ml microcentrifuge tubes<br>Each rack supplied with its own transparent, lift-off lid.<br>Dimensions (WxDxH): 215 x 115 x 50 mm (with lid) | Neon Blue                 | 1         | <b>E2396-1651</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                 | Neon Green                | 1         | <b>E2396-1652</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                 | Neon Orange               | 1         | <b>E2396-1653</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                 | Neon Pink                 | 1         | <b>E2396-1654</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                 | Neon Yellow               | 1         | <b>E2396-1656</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                 | Mixed Neon <sup>1)</sup>  | 5         | <b>E2396-9659</b> |
|  | <b>Racks A &amp; B (complete PCR Workstation)</b><br>Rack A (without lid) can be inserted into the designated area of Rack B<br>Each rack supplied with its own transparent, lift-off lid                                                                                                                       | Neon Blue <sup>2)</sup>   | 1+1       | <b>E2396-9691</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                 | Neon Green <sup>2)</sup>  | 1+1       | <b>E2396-9692</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                 | Neon Orange <sup>2)</sup> | 1+1       | <b>E2396-9693</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                 | Neon Pink <sup>2)</sup>   | 1+1       | <b>E2396-9694</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                 | Neon Yellow <sup>2)</sup> | 1+1       | <b>E2396-9696</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                                                 | Mixed Neon <sup>3)</sup>  | 5+5       | <b>E2396-9669</b> |

Tubes not included. <sup>1)</sup>Pack contains 1 rack of each colour and 5 lids. <sup>2)</sup>Pack contains 1 x Rack A/Lid and 1 x Rack B/Lid. <sup>3)</sup>Pack contains 5 x Rack A/Lids and 5 x Rack B/ Lids.

## PCR Lock Rack

|                                                                                     | Description                                                                                                                                                                                                                                                                                                                                                                | Colour                                                   | Pack Size          | Article No.       |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------|-------------------|
|  | <b>PCR Lock-Rack</b><br>Polypropylene racks which lock together to make a larger rack. Each colour section holds:<br>24 x 1.5 / 2.0 ml tubes<br>16 x 0.5 ml tubes<br>60 x 0.2 ml tubes<br>1 x 96-Well PCR plate (two sections locked together).<br>Transparent lid fits over two sections locked together.<br>Dimensions (WxDxH): 133 x 107 x 56 mm (2 sections with lid). | Mixed<br>(contains one each of Blue, Green, Red, Yellow) | 4 Racks,<br>2 Lids | <b>E2344-2099</b> |

Tubes not included.

## MORE INFO

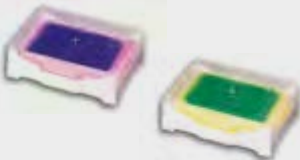
[www.starlab.click/pcrracks](http://www.starlab.click/pcrracks)



# Chiller Racks.

## StarChill high performance chiller racks

The centre sections of StarChill racks change colour when frozen. It then gradually turns back to its original colour as it warms up, thus giving an instant, visual-indication of the temperature.

| StarChill                                                                           |                                                                                                                                                                                                                                                                                         |                               |           |                   |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------|-------------------|
|                                                                                     | Description                                                                                                                                                                                                                                                                             | Colour                        | Pack Size | Article No.       |
|    | <b>StarChill PCR</b><br>96-well chiller rack with lid for use with: 0.2 ml single or strip PCR tubes, or 0.2 ml 96-well PCR Plate<br>Temperature colour change: 7 °C<br>Estimated time at 4 °C: 3+ hours <sup>1)</sup><br>Dimensions (WxDxH):<br>141 x 99 x 38 mm (44 mm high with lid) | Pink (warm)<br>Purple (cold)  | 2         | <b>E2396-2004</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                         | Yellow (warm)<br>Green (cold) | 2         | <b>E2396-2006</b> |
|    | <b>StarChill MCT</b><br>24-well rack with lid, for use with:<br>0.5, 1.5 & 2.0 ml microcentrifuge or screw cap tubes<br>Temperature colour change: 7 °C<br>Estimated time at 4 °C: 3+ hours <sup>1)</sup><br>Dimensions (WxDxH):<br>146 x 105 x 65 mm (70mm high with lid)              | Pink (warm)<br>Purple (cold)  | 1         | <b>E2396-5634</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                         | Yellow (warm)<br>Green (cold) | 1         | <b>E2396-5636</b> |
|   | <b>StarChill SBS</b><br>96-well rack without lid, for use on AUTOMATED SYSTEMS with: 0.2 ml single or strip PCR tubes, or or a 0.2 ml 96-well PCR Plate<br>Temperature colour change: 7 °C<br>Estimated time at 4 °C: 2+ hours <sup>1)</sup><br>Dimensions (WxDxH): 128 x 85 x 26 mm    | Pink (warm)<br>Purple (cold)  | 2         | <b>E2396-5654</b> |
|                                                                                     |                                                                                                                                                                                                                                                                                         | Yellow (warm)<br>Green (cold) | 2         | <b>E2396-5656</b> |
|  | <b>StarChill qPCR</b><br>Tube Capacity: 64 x 0.1 ml Corbett Rotor-Gene® tubes, 16 x 0.2 ml single tubes (or 2 x 8-strips) and 4 x 0.5 ml tubes<br>Est. Time below 4° C: 2.5 hours <sup>1)</sup><br>Dimensions: 141 x 99 x 44 mm                                                         | White (warm)<br>Blue (cold)   | 2         | <b>E2396-3008</b> |

<sup>1)</sup>Time will vary, depending on ambient temperature. All StarChill racks must be frozen for a minimum of 8 hours at -20 °C before use. Not Autoclavable. Freeze the StarChill Racks upside down in order for the gel to freeze evenly.

MORE INFO

[www.starlab.click/chillerracks](http://www.starlab.click/chillerracks)

# Cooler Containers

## Containers for temperature sensitive samples

Rigid moulded polyurethane containers with pour spout for chilling temperature sensitive samples. Excellent insulation properties for very low temperature use with ice, ice slurries and CO2 pellets. Use down to -80 °C.

| Cooler Containers                                                                   |                                                            |           |                   |
|-------------------------------------------------------------------------------------|------------------------------------------------------------|-----------|-------------------|
|                                                                                     | Description                                                | Pack Size | Article No.       |
|  | 4 Litre Oblong Cooler Container, Blue, 380 x 250 x 140 mm  | 1         | <b>E2396-6001</b> |
|                                                                                     | 1 Litre Square Cooler Container, Green, 270 x 195 x 115 mm | 1         | <b>E2396-6002</b> |
|                                                                                     | 9 Litre Oblong Cooler Container, Red, 521 x 295 x 165 mm   | 1         | <b>E2396-6004</b> |
|                                                                                     | 4 Litre Round Cooler Container, Black, 235 Ø x 180 mm      | 1         | <b>E2396-6008</b> |

**Note:** Not autoclavable or microwavable.

MORE INFO

[www.starlab.click/coolercontainer](http://www.starlab.click/coolercontainer)



# Transport Cases & Coolers.

| Transport Cases & Coolers                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |           |                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------|-------------------|
|                                                                                                                                                                                                                        | Description                                                                                                                                                                                                                                                                                                                                                                                                                           | Colour               | Pack Size | Article No.       |
|  <p>Protects valuable enzymes from temperature fluctuation due to frost-free cycles, power loss or open freezer doors</p>             | <b>Benchtop Cooler / Transport Case</b><br>48-place polypropylene, small case-style holder filled with ice-gel, for use with 1.5/2.0 ml tubes.<br>Handy note panel inside the lid.<br>Maintains temperatures of:<br>-15°C or lower, for 4 hours if frozen to -20°C<br>-15°C or lower, for 6 hours if frozen to -23°C<br>Dimensions (WxDxH): 215 x 200 x 95 mm<br>Weight 2.5 kg<br>NOTE: Not Autoclavable                              | Black                | 1         | <b>I6348-1515</b> |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |           |                   |
|  <p>Protects cells &amp; biologicals stored in -70°C freezers. Use for added protection when shipping valuable samples on dry ice</p> | <b>Cryo Cooler / Transport Case</b><br>48-place polypropylene, small case-style holder filled with ice-gel, for use with 1.5/2.0 ml tubes.<br>Handy note panel inside the lid.<br>When frozen to -70°C the Cryo Cooler will take up to 10 hours to raise to a temperature of -10 °C<br>Dimensions (WxDxH): 215 x 200 x 95 mm<br>Weight 2.5 kg<br>NOTE: Must be frozen to -70°C for a minimum of 24 hours before use. Not autoclavable | Black                | 1         | <b>I6342-4270</b> |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |           |                   |
|  <p>Perfect for the transportation of a small number of samples</p>                                                                  | <b>Mini Cooler</b><br>8-place rack filled with with ice-gel for use with 1.5/2.0 ml tubes.<br>Hinged, transparent lid with snap-catch<br>Maintains -15°C or below for up to 1 hour<br>Dimensions (WxDxH): 120 x 85 x 90 mm<br>Weight: 750 g.<br>NOTE: Must be frozen to -20°C for a minimum of 24 hours before use. Not autoclavable                                                                                                  | Silver               | 1         | <b>I6308-1515</b> |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |           |                   |
|  <p>Maintain low-temperature storage of reagents, cells and enzymes removed from the freezer</p>                                    | <b>CryoSecure*</b><br>Double-sided racks filled with ice-gel, for use with<br>20 x 0.5 ml tubes on one side, or<br>20 x 1.5/2.0 ml tubes on the other<br>White rack maintains 0°C for a minimum of 5 hours<br>Blue rack maintains -10°C to -20°C for up to 3 hours<br>Dimensions (WxDxH): 172 x 110 x 105 mm with lid<br>NOTE: Not autoclavable                                                                                       | White<br>(0°C Rack)  | 1         | <b>I2312-2720</b> |
|                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                       | Blue<br>(-20°C Rack) | 1         | <b>I2312-2721</b> |
| Tubes not included.                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |           |                   |

## MORE INFO

[www.starlab.click/transportcases](http://www.starlab.click/transportcases)



# Freezer Racking for Upright Freezers.

## Stainless steel racking

Stainless steel provides the highest quality freezer racking. Stainless steel racks for upright freezers are available with side access or with pull-out shelves.

## Measuring upright freezer racking



## Freezer racking for standard storage boxes up to WxDxH: 136 x 136 x 53 mm

### Suitable for use with:

- 50 mm high cardboard storage boxes, page 100 and page 101
- StarStore 130 x 130mm range of storage boxes, page 103
- Cryogenic storage boxes (except 25-place and 81-Place Tall), page 105 and page 106
- StarRack 64, page 109
- Any storage box up to 136 x 136 x 55 mm



**E6000-0033**  
Stainless steel racks with side access have a folding handle on the front for easy removal. (Boxes not included.)

### Freezer Racking, Side Access, Standard Storage Boxes

| Description      | Boxes Deep | Boxes High | Dimensions (WxDxH) | Article No. |
|------------------|------------|------------|--------------------|-------------|
| 9-Place SS Rack  | 3          | 3          | 139 x 426 x 169 mm | E6000-0033  |
| 12-Place SS Rack | 3          | 4          | 139 x 426 x 224 mm | E6000-0034  |
| 15-Place SS Rack | 3          | 5          | 139 x 426 x 297 mm | E6000-0035  |
| 12-Place SS Rack | 4          | 3          | 139 x 565 x 169 mm | E6000-0043  |
| 16-Place SS Rack | 4          | 4          | 139 x 565 x 224 mm | E6000-0044  |
| 20-Place SS Rack | 4          | 5          | 139 x 565 x 279 mm | E6000-0045  |
| 24-Place SS Rack | 4          | 6          | 139 x 565 x 334 mm | E6000-0046  |

Boxes not included.



**E6001-0043**  
Stainless steel racks with pull out shelves with grippers on the front of each shelf. (Boxes not included.)

### Freezer Racking, Pull Out Shelves, Standard Storage Boxes

| Description                        | Boxes Deep | Boxes High | Dimensions (WxDxH) | Article No. |
|------------------------------------|------------|------------|--------------------|-------------|
| 9-Place SS Rack, Pull Out Shelves  | 3          | 3          | 140 x 450 x 173 mm | E6001-0033  |
| 12-Place SS Rack, Pull Out Shelves | 3          | 4          | 140 x 450 x 232 mm | E6001-0034  |
| 15-Place SS Rack, Pull Out Shelves | 3          | 5          | 140 x 450 x 288 mm | E6001-0035  |
| 12-Place SS Rack, Pull Out Shelves | 4          | 3          | 140 x 569 x 174 mm | E6001-0043  |
| 16-Place SS Rack, Pull Out Shelves | 4          | 4          | 140 x 569 x 231 mm | E6001-0044  |
| 20-Place SS Rack, Pull Out Shelves | 4          | 5          | 140 x 569 x 281 mm | E6001-0045  |
| 24-Place SS Rack, Pull Out Shelves | 4          | 6          | 140 x 569 x 337 mm | E6001-0046  |
| 28-Place SS Rack, Pull Out Shelves | 4          | 7          | 140 x 569 x 403 mm | E6001-0047  |

Boxes not included.

## MORE INFO

[www.starlab.click/uprightracks](http://www.starlab.click/uprightracks)



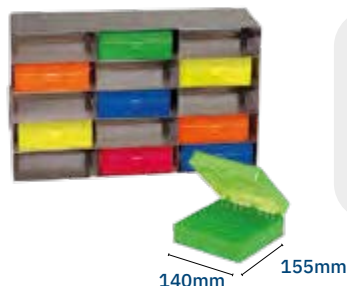
## Freezer racking for StarStore 100 storage boxes (WxDxH: 140 x 155 x 55 mm)

These stainless steel racks for upright freezers are for use only with the **StarStore 100 storage boxes**, see page 103

**StarStore 100 storage boxes for use in these racks are on page 103**

### I2610-1500

Stainless steel rack with side access. (Boxes not included)



#### Freezer Racking, Side Access, StarStore 100 boxes

| Description      | Boxes Deep | Boxes High | Dimensions (WxDxH) | Article No.       |
|------------------|------------|------------|--------------------|-------------------|
| 8-Place SS Rack  | 2          | 4          | 160 x 300 x 240 mm | <b>I2610-0800</b> |
| 12-Place SS Rack | 3          | 4          | 160 x 452 x 240 mm | <b>I2610-1200</b> |
| 15-Place SS Rack | 3          | 5          | 160 x 452 x 300 mm | <b>I2610-1500</b> |

Racks suitable for use with StarStore 100 storage boxes (WxDxH: 150 x 155 x 55 mm).



### E6001-0134

Stainless steel racks with pull out shelves with grippers on the front of each shelf. (Boxes not included.)

#### Freezer Racking, Pull Out Shelves, StarStore 100 boxes

| Description                        | Boxes Deep | Boxes High | Dimensions (WxDxH) | Article No.       |
|------------------------------------|------------|------------|--------------------|-------------------|
| 9-Place SS Rack, Pull Out Shelves  | 3          | 3          | 147 x 500 x 179 mm | <b>E6001-0133</b> |
| 12-Place SS Rack, Pull Out Shelves | 3          | 4          | 147 x 500 x 239 mm | <b>E6001-0134</b> |
| 16-Place SS Rack, Pull Out Shelves | 4          | 4          | 147 x 655 x 239 mm | <b>E6001-0144</b> |

NOTE: StarStore 100 boxes sit sideways on the shelves in the racking above (hinge to the side).

#### Freezer Racking, Pull Out Shelves, StarStore 100 boxes

| Description                                | Boxes Deep | Boxes High | Dimensions (WxDxH) | Article No.       |
|--------------------------------------------|------------|------------|--------------------|-------------------|
| 12-Place SS Rack, Shallow Pull Out Shelves | 3          | 4          | 155 x 559 x 235 mm | <b>I2611-1200</b> |
| 16-Place SS Rack, Shallow Pull Out Shelves | 4          | 4          | 155 x 673 x 235 mm | <b>I2611-1600</b> |
| 20-Place SS Rack, Shallow Pull Out Shelves | 4          | 5          | 155 x 673 x 300 mm | <b>I2611-2000</b> |
| 21-Place SS Rack, Shallow Pull Out Shelves | 3          | 7          | 155 x 559 x 410 mm | <b>I2611-2100</b> |

NOTE: StarStore 100 boxes sit forwards on the shelves in the racking above (hinge to the back).

### MORE INFO

[www.starlab.click/uprightracks](http://www.starlab.click/uprightracks)

### DON'T SEE THE RACK YOU NEED? HAVE A DIFFERENT SIZE STORAGE BOX?

We can provide **custom racking** to suit all needs. Please contact us to let us know your requirements and we will provide a competitive quote.



# Freezer Racking for Upright Freezers.

## Stainless steel bin racking

Versatile storage for upright freezers comprising a rack with two bin-style drawers with a lid.



## Freezer racking, pull out shelves for 15 ml & 50 ml centrifuge tubes



| Stainless Steel Bin Racking                        |                    |             |
|----------------------------------------------------|--------------------|-------------|
| Description                                        | Dimensions (WxDxH) | Article No. |
| 139 mm Wide 2-Bin Stainless Steel Rack (420 x 225) | 139 x 420 x 225 mm | I2671-3921  |
| 139 mm Wide 2-Bin Stainless Steel Rack (560 x 225) | 139 x 560 x 225 mm | I2671-3922  |
| 139 mm Wide 2-Bin Stainless Steel Rack (560 x 280) | 139 x 560 x 280 mm | I2671-3923  |
| 139 mm Wide 2-Bin Stainless Steel Rack (560 x 385) | 139 x 560 x 385 mm | I2671-3924  |
| 278 mm Wide 2-Bin Stainless Steel Rack (560 x 280) | 278 x 560 x 280 mm | I2672-7823  |
| 278 mm Wide 2-Bin Stainless Steel Rack (560 x 385) | 278 x 560 x 385 mm | I2672-7824  |

Stainless Steel (SS) racks for the direct storage of 15 ml or 50 ml centrifuge tubes. Saves you the time of transferring the tubes to/from storage boxes.

| Freezer Racking with Pull-Out Shelves, 15/50 ml Tubes |         |                    |             |
|-------------------------------------------------------|---------|--------------------|-------------|
| Description                                           | Shelves | Dimensions (WxDxH) | Article No. |
| 60-Place SS Rack for 15 ml Tubes                      | 1       | 140 x 419 x 126 mm | I2615-1000  |
| 120-Place SS Rack for 15 ml Tubes                     | 2       | 140 x 419 x 252 mm | I2615-3600  |
| 160-Place SS Rack for 15 ml Tubes                     | 2       | 140 x 559 x 252 mm | I2615-2600  |
| 60-Place SS Rack for 50 ml Tubes                      | 2       | 140 x 419 x 252 mm | I2650-3600  |
| 78-Place SS Rack for 50 ml Tubes                      | 2       | 140 x 559 x 252 mm | I2650-2600  |

Tubes not included. Image for illustrative purposes only to show storage of 15 ml and 50 ml tubes.

# Stainless Steel Freezer Storage.

## Stainless steel bins

An effective solution for storing a wide variety of samples. All bins have a lid, and a handle on the front. Can be used in -80 °C freezers.



| Stainless Steel Bins                                 |                    |             |
|------------------------------------------------------|--------------------|-------------|
| Description                                          | Dimensions (WxDxH) | Article No. |
| 278 mm Wide Stainless Steel Bin with Lid (420 x 280) | 278 x 420 x 280 mm | I2672-7812  |
| 278 mm Wide Stainless Steel Bin with Lid (560 x 280) | 278 x 560 x 280 mm | I2672-7814  |
| 278 mm Wide Stainless Steel Bin with Lid (560 x 325) | 278 x 560 x 325 mm | I2672-7815  |



## Freezer Racking for Chest Freezers.

### Stainless steel racking

Stainless steel provides the highest quality freezer racking. Stainless steel racks for chest freezers have a locking rod to keep the storage boxes secure, and a fold-down handle on the top for easy removal from the freezer.

### Freezer racking for standard storage boxes up to WxDxH: 136 x 136 x 53 mm

#### Suitable for use with:

- 50 mm high cardboard storage boxes, page 100 and page 101
- StarStore 130 x 130mm range of storage boxes, page 103
- Cryogenic storage boxes (excl. 25-place & 81-Place Tall), page 105 & page 106
- StarRack 64, page 109
- Any storage box up to 136 x 136 x 55 mm

#### Stainless Steel Racking, Locking Rod

| Description                  | Dimensions (WxDxH) | Article No. |
|------------------------------|--------------------|-------------|
| 9-High SS Rack, Locking Rod  | 141 x 148 x 501 mm | E6010-0009  |
| 10-High SS Rack, Locking Rod | 141 x 148 x 556 mm | E6010-0010  |
| 11-High SS Rack, Locking Rod | 141 x 148 x 611 mm | E6010-0011  |
| 12-High SS Rack, Locking Rod | 141 x 148 x 666 mm | E6010-0012  |
| 13-High SS Rack, Locking Rod | 141 x 148 x 721 mm | E6010-0013  |

Boxes not included.

### Measuring chest freezer racking



#### MORE INFO

[www.starlab.click/chesttracks](http://www.starlab.click/chesttracks)

## Custom-Made Freezer Racking.

We can manufacture any rack you need for your upright or chest freezer. Customised racking allows you to optimise the space in your freezer when a) you have standard size storage boxes but the racking offered does not fit well in your freezer, b) you already have a supply of storage boxes that are not a standard format and so require racking to fit those boxes and, c) you have plates or racked tubes of a non-standard height that will fit the shelf heights offered.

#### For custom-made racking, we need the following info:

- the exact overall dimensions of the box, plate, tube or petri dish to be used in the racking
- the brand and model of the freezer in which the racking will be used
- the style of racking you want (side access or pull out drawers, or chest)

CUSTOM RACKS  
**BUILD**  
your  
**OWN**  
available on request



## Slide Storage Trays.

### Slide Storage Trays



#### Description

##### Cardboard slide storage tray

Cardboard trays with horizontal, numbered recesses to protect your slide specimens with the tray cover is closed. Thumb cuts for easy slide removal. Index writing panel on the front.

Dimensions (WxDxH):

20-Place: 208 x 341 x 9 mm.

30-Place: 281 x 328 x 10 mm

#### Capacity

20 Slides

30 Slides

#### Pack Size

10

10

#### Article No.

**E1500-2009**

**E1500-3009**

## Slide Mailers.

Polypropylene slide mailers for standard (75 x 25 mm) slides

Holds 2 slides  
Internal recess  
keeps slides  
secure



### Slide Mailer, for 2 slides

#### Description

2-Place Slide Mailer

#### Colour

Mixed<sup>1)</sup>

#### Pack Size

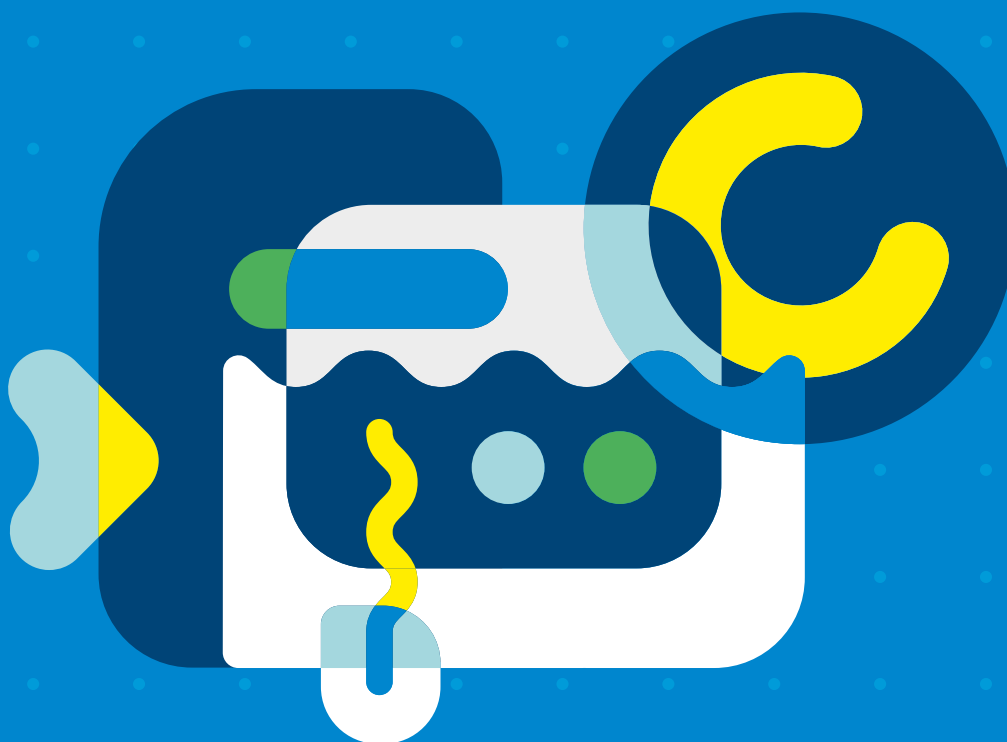
25

#### Article No.

**E1400-2099**

Slides not included. <sup>1)</sup>Mixed pack contains five each of: Blue, Orange, Red, Violet, Yellow.  
Dimensions (WxDxH): 68 x 93 x 5 mm.

# Equipment.



## **PCR CABINETS**

GuardOne® Workstations ..... 120

## **VORTEX MIXER**

Starlab Vortex Mixer ..... 121

## **CENTRIFUGES**

Starlab Minicentrifuge. .... 122

Plate Centrifuge. .... 123

**ASPIRATOR** ..... 124

## **SHAKERS**

Orbital Shaker. .... 125

Rocking & 3D Rocking Shakers. .... 126

Rotator Mixer..... 127

## **MIXERS**

Microplate Mixer. .... 128

Tube Roller. .... 129

## **STIRRERS**

Magnetic Stirrer..... 130

Magnetic Stirrer with Heating. .... 130

## **UNDERBENCH FREEZER**

-86°C Underbench Freezer..... 131

## **TIMER / BATH BEADS**

Four Channel Timer / Clock..... 132

Bath Beads..... 132



# GuardOne® Workstations.



## Product features

- Glove compatible touchscreen
- One-touch QuickStart / QuickStop
- Efficient UV<sub>254 nm</sub> decontamination with timer function
- Efficient, class H14 HEPA filter with pre-filter\* provides ISO class 5 working environment
- Realtime airflow measurement\*
- Easy tool-free assembly in just 15 minutes
- Full PC shell to reflect UV, instead of UV absorbing Acrylic
- Polymer base, instead of stainless steel
- Long life UV bulb ~9000 hours
- Double folding sash for easy access

## Applications

- Plasmid/RNA/DNA purification
- Post-PCR techniques
- Binding studies and other incubations
- Cell culture work
- Sterile solution preparations
- (Molecular) plant physiology (use the innovative red-light option for light sensitive experiments)
- Any sensitive experiments requiring a controlled, clean environment

|                                              | Dead Air Workstation 32" | Dead Air Workstation 48" | Laminar Flow Workstation 32" | Laminar Flow Workstation 48" |
|----------------------------------------------|--------------------------|--------------------------|------------------------------|------------------------------|
| Order Information / Technical Specifications |                          |                          |                              |                              |
| Article No.                                  | S8040-1000               | S8040-1001               | S8040-0000                   | S8040-0001                   |
| <b>Basic specifications</b>                  |                          |                          |                              |                              |
| External dimensions (W x D x H)              | 813 x 610 x 877 mm       | 1220 x 610 x 877 mm      | 813 x 610 x 877 mm           | 1220 x 610 x 877 mm          |
| Internal dimensions (W x D x H)              | 800 x 600 x 600 mm       | 1200 x 600 x 600 mm      | 800 x 600 x 600 mm           | 1200 x 600 x 600 mm          |
| Weight                                       | 32 kg                    | 35 kg                    | 36 kg                        | 42 kg                        |
| Power consumption                            | 38 W                     | 38 W                     | 90 W                         | 160 W                        |
| Lab timer                                    | Yes                      | Yes                      | Yes                          | Yes                          |
| <b>Air flow</b>                              |                          |                          |                              |                              |
| Air velocity                                 | -                        | -                        | 0.2 – 0.4 m/s                | 0.2 – 0.4 m/s                |
| Realtime airflow measuring                   | -                        | -                        | Yes                          | Yes                          |
| Pre-filter                                   | -                        | -                        | 1x                           | 2x                           |
| HEPA filter                                  | -                        | -                        | 1x H14                       | 2x H14                       |
| HEPA filter lifespan monitor                 | -                        | -                        | yes                          | yes                          |
| <b>Light</b>                                 |                          |                          |                              |                              |
| LED light intensity                          | 1400 lux                 | 1400 lux                 | 1400 lux                     | 1400 lux                     |
| UV lamp                                      | 1x 15 W                  | 2x 15 W                  | 1x 15 W                      | 2x 15 W                      |
| UV lamp lifespan monitor                     | Yes                      | Yes                      | Yes                          | Yes                          |
| UV timer                                     | Yes                      | Yes                      | Yes                          | Yes                          |
| UV safety switch                             | Yes                      | Yes                      | Yes                          | Yes                          |
| 2-year warranty.                             |                          |                          |                              |                              |

## Accessories / Replacements

| Description                                | Article No.                        |                                    |
|--------------------------------------------|------------------------------------|------------------------------------|
|                                            | for 32" models                     | for 48" models                     |
| HEPA Filter (for laminar flow models only) | <b>S8040-0010</b><br>(pack size 1) | <b>S8040-0011</b><br>(pack size 2) |
| UV lamp                                    | <b>S8040-0012</b><br>(pack size 1) | <b>S8040-0013</b><br>(pack size 2) |
| Pre-Filter (for laminar flow models only)  | <b>S8040-0014</b><br>(pack size 1) | <b>S8040-0014</b><br>(pack size 2) |
| Shelf with integrated pipette holder       | <b>S8040-0015</b><br>(pack size 1) | <b>S8040-0016</b><br>(pack size 1) |
| Trolley                                    | <b>S8040-0017</b><br>(pack size 1) | <b>S8040-0018</b><br>(pack size 1) |

## MORE INFO

[www.starlab.click/guardone](http://www.starlab.click/guardone)

\* Laminar Flow models only

# Starlab Vortex Mixer.

The new Starlab Vortex Mixer is ideal for the gentle mixing of samples right up to vigorous vortex mixing and the resuspending of cells or chemical pellets.

## Product features

- Unique glove compatible touch screen
- Precise vortexing speeds from 300 to 3,500 rpm
- One-touch pre-set options for speed / time
- Touch or continuous operation
- End of run audible alarm
- Power saving sleep mode
- Optional adapters available to mix up to 15 microcentrifuge tubes or one microplate (up to 1,500 rpm)



## MORE INFO

[www.starlab.click/vortexmixer](http://www.starlab.click/vortexmixer)

### Technical specifications

|                                 |                                                                               |
|---------------------------------|-------------------------------------------------------------------------------|
| Speed range                     | 300 to 3,500 rpm: with Standard attachment<br>300 to 1,500 rpm; with Adapters |
| Speed increments                | 50 rpm                                                                        |
| Timing capacity                 | 1 second to 99:59 minutes                                                     |
| Type of movement                | Orbital                                                                       |
| Operation modes                 | Two: touch and continuous                                                     |
| Noise levels                    | < 55 dBA                                                                      |
| USB output                      | 5 VDC 1 A                                                                     |
| Permissible ambient temperature | 2 °C – 40 °C                                                                  |
| Permissible relative humidity   | < 80 %                                                                        |
| Power supply                    | 100 – 240 V, 50 Hz – 60 Hz                                                    |
| Unit input                      | 24 V DC 12 W                                                                  |
| Weight                          | < 2.8 kg                                                                      |
| Dimensions (W x D x H)          | 200 x 130 x 103 mm                                                            |

### Order Information

| Description                                                                                                                                                    | Pack Size | Article No.       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------|
|  Vortex Mixer <sup>1)</sup>                                                 | 1         | <b>S8010-0000</b> |
| <b>Accessories</b>                                                                                                                                             |           |                   |
|  Replacement Standard Attachment                                            | 1         | <b>S8010-0001</b> |
|  Adapter for 1.5/2.0 ml tubes                                               | 1         | <b>S8010-0011</b> |
|  Adapter for microplates                                                    | 1         | <b>S8010-0012</b> |
|  Power adapter with four exchangeable plugs, 24 V, 1 A for EU, UK, US & AUS | 1         | <b>S8010-5012</b> |

<sup>1)</sup> 2-year warranty. Supplied with Standard Attachment, power adapter and four exchangeable plugs and standard attachment.



## WATCH VIDEO



# Starlab Minicentrifuge.



With its distinctive curved design that will look fantastic on your bench, the Starlab Minicentrifuge is not all about style, it also has substance! This is a compact and solid unit that delivers a quiet, smooth operation and unique features.

### Product features

- Quick start on lid closure
- Magnetic lid lock
- Smooth, quiet operation
- One-touch STOP for fast braking and automatic lid release
- Quick and easy tool-free, rotor exchange

### Rotor specifications

| Rotor type                       | Max. capacity                | Max. tube length | Max. tube diameter | Example tube type                                                                                                                |
|----------------------------------|------------------------------|------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Tube Rotor                       | 8 tubes                      | 45 mm            | 11 mm              | 1.5/2.0 ml microcentrifuge tubes.<br>0.5 ml Skirted Screw Cap Microtubes.<br>1.5/2.0 ml Skirted/Non-Skirted Screw Cap Microtubes |
| Tube Rotor, with 0.2 ml adapters | 8 tubes                      | 19 mm            | 6.0 mm             | 0.2 ml PCR tubes                                                                                                                 |
| Tube Rotor, with 0.5 ml adapters | 8 tubes                      | 45 mm            | 8.0 mm             | 0.5 ml PCR or microcentrifuge tubes                                                                                              |
| PCR Rotor                        | 4 x 8-strips or 32 x singles | 35 mm            | 6.0 mm             | 0.2 ml PCR strips or single tubes                                                                                                |

### Technical specifications

|                                 |                                  |
|---------------------------------|----------------------------------|
| Maximum speed                   | 6,500 rpm $\pm$ 1 %              |
| Maximum g-force                 | 2,500 $\times$ g                 |
| Noise level                     | 55 dBA                           |
| Permissible ambient temperature | 2 $^{\circ}$ C – 40 $^{\circ}$ C |
| Permissible relative humidity   | < 80 %                           |
| Power supply                    | 100 – 240 V, 50 Hz – 60 Hz       |
| Unit input                      | 24 V DC 12 W                     |
| Weight                          | < 1.2 kg                         |
| Dimensions (W x D x H)          | 160 x 130 x 112 mm               |



**WATCH VIDEO**

### Order Information

| Description                                                                                                                                                     | Pack Size | Article No.       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------|
|  Minicentrifuge <sup>1)</sup>                                                | 1         | <b>S8030-5000</b> |
| <b>Accessories</b>                                                                                                                                              |           |                   |
|  Tube rotor for 8 x 1.5 / 2.0 ml tubes                                       | 1         | <b>S8030-5010</b> |
|  PCR strip rotor for 32 x 0.2 ml PCR tubes or 4 x 8 PCR tube strips          | 1         | <b>S8030-5011</b> |
|  Power adapter with four exchangeable plugs, 24 V, 1 A for EU, UK, US & AUS | 1         | <b>S8030-5012</b> |
|  Tube rotor adapters for 0.5 ml tubes                                        | 8         | <b>S8030-5013</b> |
|  Tube rotor adapters for 0.2 ml tubes                                        | 8         | <b>S8030-5014</b> |

<sup>1)</sup> 2-year warranty. Supplied with power adapter and four exchangeable plugs, 1 x tube rotor, 1 x PCR strip rotor and one pack of 0.5 ml adapters and one pack of 0.2 ml adapters.

### MORE INFO

[www.starlab.click/minicentrifuge](http://www.starlab.click/minicentrifuge)



## NEW! Plate Centrifuge.



Starlab's innovative Plate Centrifuge is tailored for the rapid and effortless centrifugation of samples in PCR plates. Use before and after thermal cycling to enhance your yield.

### Convenient, time saving

Now you can stop taking plates to the big centrifuge at the other end of the lab, and having to wait for it to unlock. This plate centrifuge can sit on your bench and will spin your plates in seconds.

### Fast loading

Holds two PCR plates. Load the sealed plates vertically into the top slots.

### Two operating modes

**SHORT:** Use for short spins. Press and hold to run at maximum speed. The timer will count up. Release the button to stop centrifuging

**TIMER:** For longer centrifugation or for hands-free operation, set a duration. Centrifuging will stop when the set time has elapsed, and the alarm will sound.

### Product features

- Holds two plates
- Compatible with non-skirted, semi-skirted and skirted 96- and 384-well plates
- 2,500 rpm
- Two operating modes
- End of timed run audible alarm
- Starts / stops in seconds
- Convenient small footprint
- Optional adapter available for half plates or tubes
- 2 year guarantee

### Order Information



Plate Centrifuge<sup>1)</sup>

**N2631-0100**



Plate Centrifuge Adapter

for use with 0.2 ml PCR tubes & PCR strips, and 48-well PCR Plates

**N2631-0018**

<sup>1)</sup> 2-year warranty.

### Technical specifications

|                                 |                                                                              |
|---------------------------------|------------------------------------------------------------------------------|
| Capacity                        | 2 x 96-/384-well PCR plates.<br>Maximum plate height: 25 mm                  |
| Maximum speed                   | 2,500 rpm $\pm 10\%$                                                         |
| Maximum RCF                     | 500 x g                                                                      |
| Temperature range               | 5°C to 40°C<br>(up to 80% RH at 31°C, decreasing linearly to 50% RH at 40°C) |
| Timer capacity                  | 0–99 seconds / 0–99 minutes                                                  |
| Noise level                     | 51 dB <sup>1)</sup>                                                          |
| Power adapter operating voltage | 100 to 240 V~, 50 to 60 Hz, 1.5A                                             |
| Unit input                      | 24 VDC 45 W                                                                  |
| Protection class                | IP21                                                                         |
| Weight                          | 2.6 kg                                                                       |
| Dimensions                      | 190 x 220 x 186 mm                                                           |

<sup>1)</sup> Operation noise level, excluding timer alarm

### MORE INFO

[www.starlab.click/platecentrifuge](http://www.starlab.click/platecentrifuge)



# Aspirator.

## Product features

- The powerful pump can operate two hand controllers without any loss of performance
- Chemically-resistant, high performance pump with long service life
- Ergonomic, fully autoclavable hand controller
- Auto ON-OFF pump switch with low noise emission for a quieter working environment
- Intuitive, reproducible adjustment of suction power via touch panel

## Order Information

|                                                                                     | Description                                          | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------|------------------------------------------------------|-----------|-------------------|
|    | Aspirator incl. 4l bottle & controller <sup>1)</sup> | 1         | <b>N2400-9000</b> |
| <b>Accessories</b>                                                                  |                                                      |           |                   |
|    | Hand controller for Aspirator <sup>2)</sup>          | 1         | <b>N2400-9001</b> |
|    | 1-channel tip adapter for controller                 | 1         | <b>N2400-9002</b> |
|    | 8-channel tip adapter for controller                 | 1         | <b>N2400-9003</b> |
|   | Stand for hand controller                            | 1         | <b>N2400-9004</b> |
|  | Tubing for hand Controller, 2.5 m                    | 1         | <b>N2400-9005</b> |
|  | Connection Kit for 2nd hand controller               | 1         | <b>N2400-9006</b> |
|  | Protection filter with connective tubing             | 1         | <b>N2400-9007</b> |
|  | Quick coupling hand controller to bottle             | 1         | <b>N2400-9008</b> |
|  | Quick coupling bottle to pump                        | 1         | <b>N2400-9009</b> |
|  | 4l PP-bottle with filter & inlet pipe                | 1         | <b>N2400-9010</b> |
|  | 4l PP-bottle with screw cap                          | 1         | <b>N2400-9011</b> |
|  | 2l glass bottle with filter & inlet pipe             | 1         | <b>N2400-9012</b> |
|  | Adapter for 2l glass bottle                          | 1         | <b>N2400-9013</b> |
|  | Mobile underframe                                    | 1         | <b>N2400-9014</b> |
|  | Tool for diaphragm change                            | 1         | <b>N2400-9015</b> |
|  | Adapter for Pipettes                                 |           | <b>N2400-9016</b> |

<sup>1)</sup> 1-year warranty. Includes one adapter for pipettes, one adapter for pipette tips, a wall mount and 2.5 m of tubing. <sup>2)</sup> Includes a stand.



## Technical specifications

|                                        |                        |
|----------------------------------------|------------------------|
| Max. pumping speed                     | 16.7 l/min             |
| Adjustable range of vacuum             | 150 - 850 mbar         |
| Max. permissible inlet/outlet pressure | 1.1 bar                |
| Noise level                            | 45 dB(A)               |
| Permissible ambient temperature        | 10 to 40 °C            |
| Permissible relative humidity          | 30 - 85 %              |
| Max. power consumption                 | 40 W                   |
| Power supply                           | 230 V + 10 %, 50/60 Hz |
| Weight                                 | 7.3 kg                 |
| Dimensions (W × D × H)                 | 408 × 194 × 500 mm     |

## MORE INFO

[www.starlab.click/aspirator](http://www.starlab.click/aspirator)

# Orbital Shaker.

Ideal for a variety of general-purpose shaking applications in cell culture, bacterial growth and suspension, staining and washing procedures. This type has a circular shaking motion with low to high speed with less vibrations, ideal for culturing microbes.

## Product features

- Gentle agitation up to vigorous orbital motion
- LCD displays for speed and time
- Two operating modes: continuous and timer
- Choice of two platforms available
- Holds load up to 7.5 kg



## Order information

| Description                                                                                                                                                 | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------|
|  Orbital Shaker <sup>1)</sup><br>(without platform)                        | 1         | <b>N2400-8030</b> |
| <b>Accessories</b>                                                                                                                                          |           |                   |
|  Universal Platform<br>with Clamping Rolls <sup>2)</sup>                  | 1         | <b>N2400-8011</b> |
|  Universal Platform<br>with Rubber Mat and<br>Bungee Cords <sup>2)</sup> | 1         | <b>N2400-8021</b> |

<sup>1)</sup> **IMPORTANT:** N2400-8030 is NOT supplied with a platform. A platform must be purchased separately. 2-year warranty.

<sup>2)</sup> Platform can also be used on the Rocking Shaker (N2400-8010 and the 3D Rocking Shaker (N2400-8020).

## Technical specifications

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Speed Range                     | 100 – 500 rpm                     |
| Type of movement                | orbital                           |
| Orbital Diameter                | 10 mm                             |
| Max. Load                       | 7.5 kg                            |
| Platform Dimensions             | 300 x 300 mm                      |
| Operation                       | Two: continuous and timer         |
| Timing capacity                 | 1 – 1199 mins<br>(19 hrs 59 mins) |
| Display                         | LCD                               |
| RS232-Interface                 | yes                               |
| Permissible Ambient Temperature | 4 – 40 °C                         |
| Permissible Relative Humidity   | < 80 %                            |
| Max. power consumption          | 30 W                              |
| Power supply                    | 100 – 240 V, 50/60 Hz             |
| Weight                          | 13.5 kg                           |
| Dimensions (W x D x H)          | 420 x 370 x 100 mm                |



## Orbital Shaker

Image shows N2400-8030 with platform N2400-8011 (sold separately)

## MORE INFO

[www.starlab.click/orbitalshaker](http://www.starlab.click/orbitalshaker)



# Rocking & 3D Rocking Shakers.



Used for homogeneous mixing in flasks, culture flasks, Petri dishes, and tubes, particularly for mixing blood samples, solid and liquid suspensions, and cell cultures.

### Product features

- See-saw rocking or 3D mixing
- Easy to use
- LCD displays for speed and time
- Two operating modes: continuous and timer
- Alternative platform available

### Order information

| Description                                                                                                                                           | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------|
|  3D Rocking Shaker <sup>1)</sup>                                   | 1         | <b>N2400-8020</b> |
|  Rocking Shaker <sup>1)</sup>                                      | 1         | <b>N2400-8010</b> |
| <b>Accessories</b>                                                                                                                                    |           |                   |
|  Universal Platform with Clamping Rolls <sup>2)</sup>              | 1         | <b>N2400-8011</b> |
|  Universal Platform with Rubber Mat and Bungee Cords <sup>2)</sup> | 1         | <b>N2400-8021</b> |

<sup>1)</sup>Includes universal platform with rubber mat and bungee cords (N2400-8021). 2-year warranty.

<sup>2)</sup>Platform can also be used on the orbital shaker (N2400-8030).

### Technical specifications

|                                 | 3D Rocking Shaker               | Rocking Shaker                  |
|---------------------------------|---------------------------------|---------------------------------|
| Speed Range                     | 10 – 70 rpm                     | 10 – 70 rpm                     |
| Type of movement                | 3D mixing                       | see-saw rocking                 |
| Tilt angle                      | 9 °                             | 9 °                             |
| Max. Load                       | 5.0 kg                          | 10 kg                           |
| Platform Dimensions             | 300 x 300 mm                    | 300 x 300 mm                    |
| Operation                       | Two: timer and continuous       | Two: timer and continuous       |
| Timing capacity                 | 1 - 1199 mins (19 hrs, 59 mins) | 1 - 1199 mins (19 hrs, 59 mins) |
| Display                         | LCD                             | LCD                             |
| Permissible Ambient Temperature | 4 – 40 °C                       | 4 – 40 °C                       |
| Permissible Relative Humidity   | < 80 %                          | < 80 %                          |
| Max. power consumption          | 50 W                            | 40 W                            |
| Power supply                    | 100 – 240 V, 50/60 Hz           | 100 – 240 V, 50/60 Hz           |
| Weight                          | 9.0 kg                          | 9.0 kg                          |
| Dimensions (W x D x H)          | 370 x 420 x 200 mm              | 370 x 420 x 106 mm              |

### MORE INFO

[www.starlab.click/shakers](http://www.starlab.click/shakers)

# Rotator Mixer.



## Product features

- Controlled sample inverting
- Programmable
- Three different motions
- Variable speed and timer
- Low profile and small footprint
- The rotator is designed for mixing applications including cell suspensions, incubations, extraction procedures, gel washing and precipitations



### Vertical Rotation

360 ° vertical motion for a time period  
0 - 250 seconds, or non-stop



### Reciprocal Motion

Direction of platform changes in turns  
(turning angle 1 - 90° for 0 - 250 seconds,  
or non-stop)



### Vibration

Direction of platform changes in turns  
(see reciprocal motion) plus additional  
vibration (turning angle 1 - 5°  
for 1 - 5 seconds)



### Pause

Direction of platform changes in turns,  
including a temporary motion stop of  
1 - 5 seconds (only in conjunction with  
reciprocal motion)

## Order Information

|                                                                                     | Description                               | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------|-------------------------------------------|-----------|-------------------|
|  | Rotator Mixer Multi 1 <sup>1)</sup>       | 1         | <b>N2400-5000</b> |
| <b>Accessories</b>                                                                  |                                           |           |                   |
|  | Platform for 5x50ml + 12x1.5-15ml tubes   | 1         | <b>N2400-5103</b> |
|  | Platform for 26 tubes up to 15mm diameter | 1         | <b>N2400-5104</b> |

<sup>1)</sup> 2-year warranty. Supplied with platform N2400-5104.

## Technical specifications

|                                 |                                                                                                                                |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Speed Range                     | 1 – 100 rpm (increment 1 rpm)                                                                                                  |
| Timing capacity                 | Auto switch-off: 1 minute – 24 hours. Vertical or Reciprocal Mode: 0 – 250 seconds, or non-stop. Vibration mode: 0 - 5 seconds |
| Max. Load                       | 0.5 kg                                                                                                                         |
| Permissible Ambient Temperature | 4 - 40 °C                                                                                                                      |
| Output                          | 1.25 A                                                                                                                         |
| Weight                          | 1.8 kg                                                                                                                         |
| Dimensions (W × D × H)          | 365 × 195 × 155 mm                                                                                                             |

## MORE INFO

[www.starlab.click/rotatormixer](http://www.starlab.click/rotatormixer)



# Microplate Mixer.

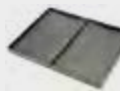
Ideal for the mixing and shaking of any skirted plate (PCR, Cell Culture, Deepwell, Microtitre and Microplates). The mixer can hold either one or two plates, depending on the attachment being used, and can also mix tubes with the special tube adapter accessories



## Product features

- Suitable for use with all skirted plates with SBS footprint
- Wide speed range: 0 to 1500rpm
- Small footprint
- Stepless speed control
- Various accessories for microtitre plates and tubes

## Order information

|                                                                                     | Description                                                            | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----------|-------------------|
|    | Microplate Mixer <sup>1)</sup>                                         | 1         | <b>N2400-8040</b> |
| <b>Accessories</b>                                                                  |                                                                        |           |                   |
|   | Attachment for one microtiterplate <sup>2)</sup>                       | 1         | <b>N2400-8041</b> |
|  | Attachment for two microtiterplates <sup>2)</sup>                      | 1         | <b>N2400-8042</b> |
|  | Microplate Mixer Adapter Plate<br>Required for N2400-6012 & N2400-6013 | 1         | <b>N2400-8043</b> |
|  | Tube Adapter for 15 x 1.5/ 2.0ml Tubes <sup>3)</sup>                   | 1         | <b>N2400-6012</b> |
|  | Tube Adapter for 8 x 15ml Centrifuge Tubes <sup>3)</sup>               | 1         | <b>N2400-6013</b> |

<sup>1)</sup> 2-year warranty. Supplied with an attachment for one plate (N2400-8041) as shown in main image.

<sup>2)</sup> Suitable for use with all skirted SBS footprint plates (127.8 x 85.5 mm).

<sup>3)</sup> N2400-6012 and N2400-6013 can only be used on the microplate mixer in conjunction with the adapter plate N2400-8043.

## Technical specifications

|                                 |                            |
|---------------------------------|----------------------------|
| Speed Range                     | 0 – 1500 rpm <sup>1)</sup> |
| Type of movement                | orbital                    |
| Orbital Diameter                | 4.5 mm                     |
| Max. Load                       | 0.5 kg                     |
| Permissible Ambient Temperature | 4 - 40 °C                  |
| Permissible Relative Humidity   | < 80 %                     |
| Max. power consumption          | 20 W                       |
| Power supply                    | 100 – 240 V, 50/60 Hz      |
| Weight                          | 3 kg                       |
| Dimensions (W x D x H)          | 150 x 260 x 80 mm          |

<sup>1)</sup> 1500 rpm is max. speed with all attachments except for N2400-8042, where the max. speed is 1000 rpm.

## MORE INFO

[www.starlab.click/microplate-mixer](http://www.starlab.click/microplate-mixer)



# Tube Roller.



The tube roller is widely used in mixing blood samples, sticky substances and solid-liquid suspensions, etc. It is applied in preventing blood clotting, immunoprecipitation, and other similar uses. Stable performance motor, operation speed adjustable.

## Product features

- Simultaneous rolling and tilting motion
- Continuous operation
- Speed control
- Six rollers to hold a load up to 4 kg
- Easy to use

## Order information

| Description                                                                                     | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------------------|-----------|-------------------|
|  Tube Roller | 1         | <b>N2400-7010</b> |

2-year warranty.

## Technical specifications

|                                 |                       |
|---------------------------------|-----------------------|
| Speed Range                     | 0 – 70 rpm            |
| Type of movement                | orbital               |
| No. of rollers                  | 6                     |
| Size of rollers                 | 280 x 30 mm           |
| Max. Load                       | 4.0 kg                |
| Permissible Ambient Temperature | 4 – 40 °C             |
| Permissible Relative Humidity   | < 80 %                |
| Max. power consumption          | 25 W                  |
| Power supply                    | 100 – 240 V, 50/60 Hz |
| Weight                          | 4.5 kg                |
| Dimensions (W x D x H)          | 260 x 460 x 120 mm    |

## MORE INFO

[www.starlab.click/tuberoller](http://www.starlab.click/tuberoller)



## Magnetic Stirrer.

### Product features

- Variable speed range 100 – 1500 rpm
- Stirring volume up to 3 litres
- Includes 40 mm stir bar
- Compact design
- Easy to Clean



### Order information

|                                                                                   | Description      | Pack Size | Article No.       |
|-----------------------------------------------------------------------------------|------------------|-----------|-------------------|
|  | Magnetic Stirrer | 1         | <b>N2400-2010</b> |

<sup>1)</sup> 2-year warranty.

### Technical specifications

|                                 |                               |
|---------------------------------|-------------------------------|
| Speed Range                     | 100 – 1500 rpm (10 rpm steps) |
| Speed increments                | 10 rpm                        |
| Max. stirring volume            | 3 l                           |
| Plate Diameter                  | 135 mm                        |
| Permissible Ambient Temperature | 4 – 40 °C                     |
| Permissible Relative Humidity   | < 80 %                        |
| Max. power consumption          | 10 W                          |
| Power supply                    | 100 – 240 V, 50/60 Hz         |
| Weight                          | 0.9 kg                        |
| Dimensions (W × D × H)          | 155 × 215 × 75 mm             |

### MORE INFO

[www.starlab.click/stirrers](http://www.starlab.click/stirrers)

## Magnetic Stirrer with Heating.

### Product features

- Fast temperature ramping saves time
- Speed and temperature LED Display
- Hotplate safety warning light
- Chemically-resistant ceramic-coated plate
- Includes 40mm stir bar



### Order information

|                                                                                     | Description                                 | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------|---------------------------------------------|-----------|-------------------|
|  | Magnetic Stirrer with Heating <sup>1)</sup> | 1         | <b>N2400-3010</b> |

### Accessories

|                                                                                     |                           |   |                   |
|-------------------------------------------------------------------------------------|---------------------------|---|-------------------|
|  | Temperature sensor PT1000 | 1 | <b>N2400-3011</b> |
|-------------------------------------------------------------------------------------|---------------------------|---|-------------------|

<sup>1)</sup> 2-year warranty.

### Technical specifications

|                                 |                                        |
|---------------------------------|----------------------------------------|
| Speed Range                     | 200 – 1500 rpm                         |
| Speed increments                | 10 rpm                                 |
| Max. stirring volume            | 3 l                                    |
| Plate Diameter                  | 135 mm                                 |
| Temperature range               | Ambient to 280 °C with 1 °C increments |
| Permissible Ambient Temperature | 4 – 40 °C                              |
| Permissible Relative Humidity   | < 80 %                                 |
| Power supply                    | 200 – 240 V, 50/60 Hz                  |
| Weight                          | 1.4 kg                                 |
| Dimensions (W × D × H)          | 155 × 215 × 75 mm                      |



# -86°C Underbench Freezer.



## Product features

- Use as your personal -80°C storage place
- Reduces heat and noise in your laboratory
- Ergonomic handle
- Two port hole on the side for easy access and flexibility
- USB port for temperature logger
- No filter; maintenance free!
- 48 hour battery backup



**Shelving**  
U100 Freezer is supplied with two shelves



**Stainless Steel Racking**  
U100 Freezer shown with racking and storage boxes (sold separately) to utilise storage capacity perfectly!

## Order information

|                                                                                     | Description        | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------|--------------------|-----------|-------------------|
|  | Underbench Freezer | 1         | <b>N2700-1000</b> |

## Accessories

|                                                                                     |                                     |   |                   |
|-------------------------------------------------------------------------------------|-------------------------------------|---|-------------------|
|  | 33-Place Rack for 100 mm High Boxes | 1 | <b>N2700-1003</b> |
|-------------------------------------------------------------------------------------|-------------------------------------|---|-------------------|

2-year warranty.

## Technical specifications

|                             |                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------|
| Temperature range           | -60 °C to -86 °C                                                                      |
| Power supply                | 220 – 240V, 50/60 Hz                                                                  |
| Weight                      | 60 kg                                                                                 |
| Ext. dimensions (W x D x H) | 595 x 690 x 825 mm (incl. condensor & handle)<br>595 x 630 x 825 mm (incl. condensor) |
| Int. dimensions (W x D x H) | 430 x 205/425 x 395/625 mm                                                            |
| Net volume                  | 91 litres                                                                             |
| Power consumption           | 2,445 kWh / year<br>6.7 kWh / 24h                                                     |
| Noise level                 | 57 dB                                                                                 |
| Temperature probe           | 1/PT 1000                                                                             |
| Referant type               | HCFC-free, Nature R                                                                   |
| USB                         | Yes                                                                                   |
| Data connection             | MODBUS                                                                                |
| Digital controller          | XW737K                                                                                |
| Data logging                | 35,500 entries                                                                        |
| High/low temperature alarm  | Yes                                                                                   |
| Defrost                     | Manual                                                                                |
| Battery back-up             | 48 hour                                                                               |
| Adjustable shelves          | Yes (2)                                                                               |
| Handle lock                 | Yes                                                                                   |



**Cardboard storage boxes for use in the U100 racking can be found on page 101.**

## MORE INFO

[www.starlab.click/underbench-freezer](http://www.starlab.click/underbench-freezer)

## Four Channel Timer / Clock.



### Product features

- Allows four different timings at the same time
- Alarm auto switch-off saves battery life
- Convenient bench stand and magnetic strip
- Large, easy to read display

### Order information

|                                                                                   | Description                              | Pack Size | Article No.       |
|-----------------------------------------------------------------------------------|------------------------------------------|-----------|-------------------|
|  | Four Channel Timer / Clock <sup>1)</sup> | 1         | <b>N9900-0001</b> |
|                                                                                   | Calibration of Timer <sup>2)</sup>       | 1         | <b>C0003-0000</b> |

<sup>1)</sup> 1-year warranty. Please note, the timer is not calibrated.

<sup>2)</sup> To receive a pre-calibrated Timer, order the Timer (N9900-0001) and the Calibration (C0003-0000) together on the same purchase order.

### Technical specifications

|                        |                                        |
|------------------------|----------------------------------------|
| Timing capacity        | 99 hours, 59 mins, 59 seconds          |
| Timer                  | Count down / count up                  |
| Alarm                  | Audible (for one min. at end of cycle) |
| Clock                  | 12 hr/24 hr                            |
| Operating modes        | 4                                      |
| Power                  | 2 x LR44 batteries (included)          |
| Dimensions (W x D x H) | 73 x 13 x 59 mm                        |

### MORE INFO

[www.starlab.click/timer](http://www.starlab.click/timer)

## Bath Beads.



### Product features

- Eliminates the chances of water-borne contamination
- Gas impermeable
- High thermal conductivity
- Reduces your water consumption
- Washes and disinfects easily
- Temperature use range: -80 °C to 180 °C

Eliminates the chores associated with water bath maintenance such as emptying, cleaning, monitoring, and refilling the water bath, as well as removing the need for racks, floats and bottleneck weights.

### Order information

|                                                                                     | Description      | Pack Size | Article No.       |
|-------------------------------------------------------------------------------------|------------------|-----------|-------------------|
|  | Bath Beads 4.0 L | 1         | <b>N2400-4901</b> |
|                                                                                     | Bath Beads 12 L  | 1         | <b>N2400-4902</b> |

Suitable for use in standard, unstirred water baths only.

### MORE INFO

[www.starlab.click/bathbeads](http://www.starlab.click/bathbeads)

# Protection.



## DISPOSABLE GLOVES

|                                       |     |
|---------------------------------------|-----|
| Guidelines and standards.....         | 136 |
| StarGuard® Comfort .....              | 137 |
| StarGuard® Protect.....               | 138 |
| StarGuard® Sensitive.....             | 139 |
| StarGuard® Touch.....                 | 140 |
| StarGuard® Glove Specifications ..... | 141 |
| Microflex® Gloves .....               | 142 |
| Glove Box Dispenser.....              | 145 |

## DISINFECTANT

|                            |     |
|----------------------------|-----|
| Chemgene MEDLAB .....      | 146 |
| Distel® Dosing System..... | 148 |

## BENCHTOP SAFETY

|                                   |     |
|-----------------------------------|-----|
| Safety Spill Trays & Liners ..... | 149 |
| Reusable Lab Mat .....            | 150 |

## SAFE DISPOSAL

|                     |     |
|---------------------|-----|
| Safe Disposal ..... | 151 |
|---------------------|-----|

# Guidelines and standards.

There are three categories of PPE:

- Category I (Simple Design) for use against minimal or minor risks
- Category II (Intermediate Design) for use against intermediate or reversible risks
- Category III (Complex Design) for use against mortal or irreversible risks.

The type of markings, pictograms and info provided with a particular PPE will vary depending on what it is designed for.

Where disposable gloves are concerned, the following is used (see table below).

| European standard                                                                                                             | Pictogram                                                                                                                       | Performance ranking                                                                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------|---------|-------|---|----------|---------|-----------------|---|---------|---------|--------|---|--------------|---------|------------------|---|-----------------|---------|-------------------------|---|-------------------|---------|-------------------------------------|---|---------|----------|----------------------|---|--------------|----------|-------|---|-----------------|----------|---------------------------------|---|---------------|----------|-------|---|-----------|----------|-----------------------|---|-----------------------|-----------|----------------|---|---------------------|-----------|------------------------|---|------------------|-----------|------------------------|---|------------------|---------|--------------|---|-------------------------|-----------|--------------|---|------------------------|-----------|----------|--------|------------------------|-----------|------------------------|--------|-------------------|---------|----------|
| EN ISO 374-1<br>Terminology and performance requirements for chemical risks                                                   | <b>EN ISO 374-1:2016/ Type A</b><br><br>XXXXXX | <b>Type A</b><br>Minimum breakthrough time for at least six reference chemicals >30 min.                                | List of 18 test (or “reference”) chemicals which are used for glove classification<br><table><thead><tr><th>CODE</th><th>CHEMICAL</th><th>CAS NO.</th><th>CLASS</th></tr></thead><tbody><tr><td>A</td><td>Methanol</td><td>67-56-1</td><td>Primary alcohol</td></tr><tr><td>B</td><td>Acetone</td><td>67-64-1</td><td>Ketone</td></tr><tr><td>C</td><td>Acetonitrile</td><td>75-05-8</td><td>Nitrile compound</td></tr><tr><td>D</td><td>Dichloromethane</td><td>75-09-2</td><td>Chlorinated hydrocarbon</td></tr><tr><td>E</td><td>Carbon disulphide</td><td>75-15-0</td><td>Sulphur containing organic compound</td></tr><tr><td>F</td><td>Toluene</td><td>108-88-3</td><td>Aromatic hydrocarbon</td></tr><tr><td>G</td><td>Diethylamine</td><td>109-89-7</td><td>Amine</td></tr><tr><td>H</td><td>Tetrahydrofuran</td><td>109-99-9</td><td>Heterocyclic and ether compound</td></tr><tr><td>I</td><td>Ethyl acetate</td><td>141-78-6</td><td>Ester</td></tr><tr><td>J</td><td>n-heptane</td><td>142-82-5</td><td>Saturated hydrocarbon</td></tr><tr><td>K</td><td>40 % Sodium hydroxide</td><td>1310-73-2</td><td>Inorganic base</td></tr><tr><td>L</td><td>96 % Sulphuric acid</td><td>7664-93-9</td><td>Inorganic mineral acid</td></tr><tr><td>M</td><td>65 % Nitric acid</td><td>7697-37-2</td><td>Inorganic mineral acid</td></tr><tr><td>N</td><td>99 % Acetic acid</td><td>64-19-7</td><td>Organic acid</td></tr><tr><td>O</td><td>25 % Ammonium hydroxide</td><td>1336-21-6</td><td>Organic base</td></tr><tr><td>P</td><td>30 % Hydrogen peroxide</td><td>7722-84-1</td><td>Peroxide</td></tr><tr><td>S or Q</td><td>40 % Hydrofluoric acid</td><td>7664-39-3</td><td>Inorganic mineral acid</td></tr><tr><td>T or R</td><td>37 % Formaldehyde</td><td>50-00-0</td><td>Aldehyde</td></tr></tbody></table><br>The “reference chemicals” are identified by their code letter under the flask pictogram. | CODE     | CHEMICAL                            | CAS NO. | CLASS | A | Methanol | 67-56-1 | Primary alcohol | B | Acetone | 67-64-1 | Ketone | C | Acetonitrile | 75-05-8 | Nitrile compound | D | Dichloromethane | 75-09-2 | Chlorinated hydrocarbon | E | Carbon disulphide | 75-15-0 | Sulphur containing organic compound | F | Toluene | 108-88-3 | Aromatic hydrocarbon | G | Diethylamine | 109-89-7 | Amine | H | Tetrahydrofuran | 109-99-9 | Heterocyclic and ether compound | I | Ethyl acetate | 141-78-6 | Ester | J | n-heptane | 142-82-5 | Saturated hydrocarbon | K | 40 % Sodium hydroxide | 1310-73-2 | Inorganic base | L | 96 % Sulphuric acid | 7664-93-9 | Inorganic mineral acid | M | 65 % Nitric acid | 7697-37-2 | Inorganic mineral acid | N | 99 % Acetic acid | 64-19-7 | Organic acid | O | 25 % Ammonium hydroxide | 1336-21-6 | Organic base | P | 30 % Hydrogen peroxide | 7722-84-1 | Peroxide | S or Q | 40 % Hydrofluoric acid | 7664-39-3 | Inorganic mineral acid | T or R | 37 % Formaldehyde | 50-00-0 | Aldehyde |
|                                                                                                                               | CODE                                                                                                                            | CHEMICAL                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CAS NO.  | CLASS                               |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
|                                                                                                                               | A                                                                                                                               | Methanol                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 67-56-1  | Primary alcohol                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
|                                                                                                                               | B                                                                                                                               | Acetone                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 67-64-1  | Ketone                              |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
|                                                                                                                               | C                                                                                                                               | Acetonitrile                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 75-05-8  | Nitrile compound                    |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
|                                                                                                                               | D                                                                                                                               | Dichloromethane                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 75-09-2  | Chlorinated hydrocarbon             |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
|                                                                                                                               | E                                                                                                                               | Carbon disulphide                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 75-15-0  | Sulphur containing organic compound |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
|                                                                                                                               | F                                                                                                                               | Toluene                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 108-88-3 | Aromatic hydrocarbon                |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
|                                                                                                                               | G                                                                                                                               | Diethylamine                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 109-89-7 | Amine                               |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
|                                                                                                                               | H                                                                                                                               | Tetrahydrofuran                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 109-99-9 | Heterocyclic and ether compound     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
| I                                                                                                                             | Ethyl acetate                                                                                                                   | 141-78-6                                                                                                                | Ester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
| J                                                                                                                             | n-heptane                                                                                                                       | 142-82-5                                                                                                                | Saturated hydrocarbon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
| K                                                                                                                             | 40 % Sodium hydroxide                                                                                                           | 1310-73-2                                                                                                               | Inorganic base                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
| L                                                                                                                             | 96 % Sulphuric acid                                                                                                             | 7664-93-9                                                                                                               | Inorganic mineral acid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
| M                                                                                                                             | 65 % Nitric acid                                                                                                                | 7697-37-2                                                                                                               | Inorganic mineral acid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
| N                                                                                                                             | 99 % Acetic acid                                                                                                                | 64-19-7                                                                                                                 | Organic acid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
| O                                                                                                                             | 25 % Ammonium hydroxide                                                                                                         | 1336-21-6                                                                                                               | Organic base                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
| P                                                                                                                             | 30 % Hydrogen peroxide                                                                                                          | 7722-84-1                                                                                                               | Peroxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
| S or Q                                                                                                                        | 40 % Hydrofluoric acid                                                                                                          | 7664-39-3                                                                                                               | Inorganic mineral acid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
| T or R                                                                                                                        | 37 % Formaldehyde                                                                                                               | 50-00-0                                                                                                                 | Aldehyde                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
| <b>EN ISO 374-1:2016/ Type B</b><br><br>XXX | <b>Type B</b><br>Minimum breakthrough time for at least three reference chemicals >30 min.                                      |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
| <b>EN ISO 374-1:2016/ Type C</b><br><br>X  | <b>Type C</b><br>Minimum breakthrough time for one reference chemical >10 min.                                                  |                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
| <b>EN ISO 374-2</b><br>Determination of resistance to penetration                                                             | no official pictogram                                                                                                           | Level 1: AQL of 4.0<br>Level 2: AQL of 1.5<br>Level 3: AQL of 0.65                                                      | Tested for protection against liquid penetration and micro-organisms.<br>Freedom from holes tested by air or water leak test for Acceptable Quality Level (AQL).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
| <b>EN 16523-1</b><br>Permeation by potentially hazardous liquid chemicals under conditions of continuous contact              | no official pictogram                                                                                                           | Level 1: >10 min<br>Level 2: >30 min<br>Level 3: >60 min<br>Level 4: >120 min<br>Level 5: >240 min<br>Level 6: >480 min | Performance Levels which describes the resistance to permeation by chemicals.<br>Chemical Breakthrough is the time from the start of the test to the time the chemical is detected moving through the material at a defined rate of 1 µg per cm² per minute.<br>Three measurements are taken and the minimum breakthrough time is stated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
| <b>EN ISO 374-4</b><br>Determination of resistance to degradation by chemicals                                                | no official pictogram                                                                                                           | no performance requirements                                                                                             | Degradation is the change of puncture resistance after chemical contact with the claimed “reference chemicals” noted below the pictogram of EN ISO 374-1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
| <b>EN ISO 374-5</b><br>Terminology and performance requirements for micro-organisms risks                                     | <b>EN ISO 374-5:2016</b><br>                 | Gloves must pass penetration tests described in EN 374-2                                                                | Protection against bacteria and fungi.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |
|                                                                                                                               | <b>EN ISO 374-5:2016</b><br><br>VIRUS        | < 1 PFU* within Assay titer<br>*Plaque-Forming Unit                                                                     | ISO 16604:2004 (part B)<br>Clothing for protection against contact with blood and body fluids - Determination of resistance of protective clothing materials to penetration by blood-borne pathogens - Test method using Phi-X 174 bacteriophage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                                     |         |       |   |          |         |                 |   |         |         |        |   |              |         |                  |   |                 |         |                         |   |                   |         |                                     |   |         |          |                      |   |              |          |       |   |                 |          |                                 |   |               |          |       |   |           |          |                       |   |                       |           |                |   |                     |           |                        |   |                  |           |                        |   |                  |         |              |   |                         |           |              |   |                        |           |          |        |                        |           |                        |        |                   |         |          |



# StarGuard® Comfort.



2777

EU Regulation  
2016/425



EN ISO 374-1:2016+A1:2018



KPT

AQL  
0.65



Food Safe



Marking of gloves protecting  
against virus, bacteria and fungi: PASS  
Protection against bacteria and fungi: PASS  
Protection against viruses: PASS



## Recommended for use when:

- Work demands dexterity and tactile sensitivity
- You require a lightweight glove with exceptional fit
- You want to reduce hand fatigue caused by gloves
- Work requires a combination of both comfort and chemical protection
- Testing or handling food stuffs

## Combating hand fatigue

Hand fatigue not only severely impacts the work you do today, it can also have long-term ramifications. StarGuard® Comfort is recognised as an **Ergonomic Certified** glove that provides measurable ergonomic benefits to the user by improving comfort and fit, and minimising the risk factors that may contribute to ergonomic injuries.<sup>2)</sup>



## Enhanced comfort by improved fit

An extremely soft and strong glove that provides improved tactile sensitivity to help reduce the risk of hand fatigue.

- Certified to minimise the risk of ergonomic hand injuries
- A thinner-feel nitrile glove, ideal for work that requires great dexterity
- Larger pack size helps the environment by reducing packing materials and transportation



**PPE Cat. III Complex Design**  
**Light Blue Nitrile Glove. Textured Fingers**  
**Length: 245 mm. 250 Gloves per Box<sup>1)</sup>**

## MORE INFO

[www.starlab.click/sg-comfort](http://www.starlab.click/sg-comfort)



## Improved fit and longer length

StarGuard® Comfort have snug fitting fingers and are 245 mm long to provide full cover over the wrist.



**Comfortable ...**  
made from soft nitrile for  
enhanced comfort and tactile  
sensitivity



**... yet Strong**  
an extremely soft but strong  
glove that provides excellent  
elasticity

## StarGuard® Comfort

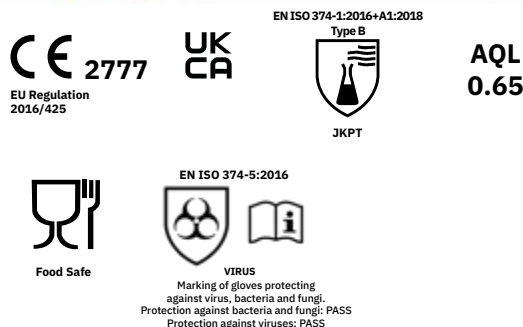
| Description                                          | Pack Size | Article No. |
|------------------------------------------------------|-----------|-------------|
| StarGuard® Comfort, Nitrile Gloves, XS               | 10 × 250  | SG-C-XS     |
| StarGuard® Comfort, Nitrile Gloves, S                | 10 × 250  | SG-C-S      |
| StarGuard® Comfort, Nitrile Gloves, M                | 10 × 250  | SG-C-M      |
| StarGuard® Comfort, Nitrile Gloves, L                | 10 × 250  | SG-C-L      |
| StarGuard® Comfort, Nitrile Gloves, XL <sup>1)</sup> | 10 × 230  | SG-C-XL     |

<sup>1)</sup> 230 gloves per box XL, <sup>2)</sup> [www.us-ergo.com](http://www.us-ergo.com)



## WATCH VIDEO

# StarGuard® Protect.



## Recommended for use when:

- Everyday protection requires strength and durability
- You need excellent chemical splash protection
- A combination of protection and reliable, consistent grip is needed
- Protection is crucial while performing delicate tasks

## Everyday protection from hazards

Nitrile gloves provide the best chemical splash resistance in a disposable glove, as well as excellent barrier protection against biohazards, water miscible substances, weak acids, and alkalis (pH 4–10), aliphatic solvents and grease.

## Excellent chemical breakthrough times

- n-Heptane > 60 mins
- Sodium hydroxide (40 %) > 480 mins
- Hydrogen peroxide (30 %) > 30 mins
- Formaldehyde (37 %) > 240 mins

## Strength and durability for reliable protection

A strong and comfortable glove that provides reliable protection against day-to-day laboratory hazards.

- Combines strength and durability for everyday protection
- Comfort, tactile sensitivity and consistent grip
- Excellent chemical splash protection
- Longer glove length (250 mm) covers the wrist



**PPE Cat. III Complex Design**  
**Violet Blue Nitrile Glove. Textured Fingers**  
**Length: 250 mm. 100 Gloves per Box**



## For everyday, reliable protection

The durable but soft material offers excellent comfort while performing delicate tasks, without compromising splash protection.

### StarGuard® Protect

| Description                            | Pack Size | Article No.    |
|----------------------------------------|-----------|----------------|
| StarGuard® Protect, Nitrile Gloves, XS | 10 × 100  | <b>SG-P-XS</b> |
| StarGuard® Protect, Nitrile Gloves, S  | 10 × 100  | <b>SG-P-S</b>  |
| StarGuard® Protect, Nitrile Gloves, M  | 10 × 100  | <b>SG-P-M</b>  |
| StarGuard® Protect, Nitrile Gloves, L  | 10 × 100  | <b>SG-P-L</b>  |
| StarGuard® Protect, Nitrile Gloves, XL | 10 × 100  | <b>SG-P-XL</b> |



**WATCH VIDEO**

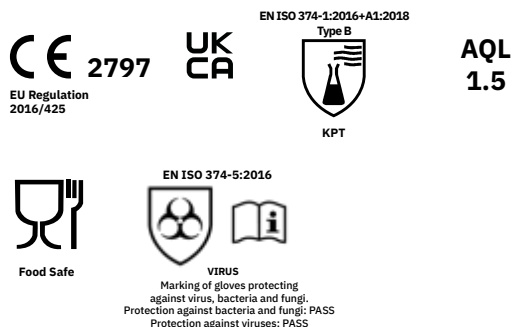
**Longer!**  
 250 mm long to provide splash protection for your hand and wrist

**MORE INFO**

[www.starlab.click/sg-protect](http://www.starlab.click/sg-protect)



# StarGuard® Sensitive.



## Accelerator-free hand protection for sensitive skin

A strong, lightweight glove that provides dexterity and comfort during long periods of wear, and is also kind to your hands.

- Low Dermatitis Potential – ideal for users with sensitive skin
- Contains no contaminants to interfere with experiments
- Textured fingers for improved tactile sensitivity
- Excellent grip in wet conditions



**PPE Cat. III Complex Design**  
**Blue Nitrile Glove. Textured Fingers**  
**Length: 240 mm. 200 Gloves per Box**

## Recommended for use when:

- Concerns with glove contaminants interfering with experiments or sensitive products must be eliminated
- Working in wet conditions
- The everyday use of small instruments demands a dexterous, lightweight glove
- Users have concerns regarding hand health
- Testing or handling food stuffs

## Low Dermatitis Potential glove

StarGuard® Sensitive gloves have been clinically shown to **reduce the incidence of the redness and itching associated with contact dermatitis.**

They carry the US Food & Drug Administration (FDA) authorised claim for 'Low Dermatitis Potential'. StarGuard® Sensitive are extremely strong and comfortable, and an excellent choice for everyday use. You don't have to be susceptible to allergies to appreciate the quality and comfort of these gloves!



## Excellent grip in wet conditions

A reduced amount of surfactants used during the manufacture of StarGuard® Sensitive results in an improved grip in wet conditions to rival that of latex gloves.

### StarGuard® Sensitive

| Description                              | Pack Size | Article No.    |
|------------------------------------------|-----------|----------------|
| StarGuard® Sensitive, Nitrile Gloves, XS | 10 × 200  | <b>SG-N-XS</b> |
| StarGuard® Sensitive, Nitrile Gloves, S  | 10 × 200  | <b>SG-N-S</b>  |
| StarGuard® Sensitive, Nitrile Gloves, M  | 10 × 200  | <b>SG-N-M</b>  |
| StarGuard® Sensitive, Nitrile Gloves, L  | 10 × 200  | <b>SG-N-L</b>  |
| StarGuard® Sensitive, Nitrile Gloves, XL | 10 × 200  | <b>SG-N-XL</b> |

## MORE INFO

[www.starlab.click/sg-sensitive](http://www.starlab.click/sg-sensitive)



**Comfortable**  
A lightweight glove that also provides exceptional strength



**WATCH VIDEO**

# StarGuard® Touch.



EN ISO 374-1/Type B



AQL  
1.5



EN ISO 374-5:2016



VIRUS



**PPE Cat. III Complex Design**  
**Natural Latex Glove. Fully Textured**  
**Length: 245 mm. 100 Gloves per Box<sup>1)</sup>**

## Recommended for use when:

- Durable comfort is required for lasting wear
- Working with blood-borne pathogens
- Secure and consistent grip is necessary for handling small instruments
- Tactile sensitivity is a must for working with a range of different instruments

Latex gloves provide the best elasticity in a disposable glove, as well as excellent barrier protection against blood-borne pathogens and other biohazards, water miscible substances, weak acids, and alkalis (pH 4–10).



## Secure, latex grip

Latex gloves are ideal for work with small instruments. StarGuard® Touch are fully textured for a secure, consistent grip with the tactile sensitivity of latex.

### StarGuard® Touch

| Description                                      | Pack Size | Article No.    |
|--------------------------------------------------|-----------|----------------|
| StarGuard® Touch, Latex Gloves, XS               | 10 × 100  | <b>SG-T-XS</b> |
| StarGuard® Touch, Latex Gloves, S                | 10 × 100  | <b>SG-T-S</b>  |
| StarGuard® Touch, Latex Gloves, M                | 10 × 100  | <b>SG-T-M</b>  |
| StarGuard® Touch, Latex Gloves, L                | 10 × 100  | <b>SG-T-L</b>  |
| StarGuard® Touch, Latex Gloves, XL <sup>1)</sup> | 10 × 90   | <b>SG-T-XL</b> |

<sup>1)</sup> 90 gloves per box XL



**Natural rubber**  
for tactile sensitivity

## MORE INFO

[www.starlab.click/sg-touch](http://www.starlab.click/sg-touch)





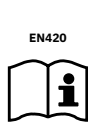
# StarGuard® Glove Specifications.

|                                     | Comfort                                                                       | Protect            | Sensitive         | Touch                |
|-------------------------------------|-------------------------------------------------------------------------------|--------------------|-------------------|----------------------|
| <b>BASIC SPECIFICATIONS</b>         |                                                                               |                    |                   |                      |
| Gloves per case                     | 10 x 250 (XL 230)                                                             | 10 x 100           | 10 x 200          | 10 x 100 (XL 90)     |
| Glove material                      | Nitrile                                                                       | Nitrile            | Nitrile           | Latex                |
| Type                                | Powder-Free, Ambidextrous, Single Use, Non-Sterile                            |                    |                   |                      |
| Colour                              | Light Blue                                                                    | Violet Blue        | Blue              | Natural              |
| Cuff                                | Beaded                                                                        | Beaded             | Beaded            | Beaded               |
| Exterior texture                    | Fingers                                                                       | Fingers            | Fingers           | Fully                |
| Weight (g)                          | 3.5                                                                           | 5.2                | 4.2               | 6                    |
| Length (mm)                         | 245 (±3)                                                                      | 250 (±3)           | 240 (±3)          | 245 (±3)             |
| Cuff thickness (mm)                 | 0.04 – 0.08                                                                   | 0.07 – 0.11        | 0.04 – 0.08       | 0.08 – 0.12          |
| Palm thickness (mm)                 | 0.05 – 0.09                                                                   | 0.09 – 0.13        | 0.05 – 0.09       | 0.11 – 0.15          |
| Finger thickness (mm)               | 0.09 – 0.13                                                                   | 0.13 – 0.17        | 0.11 – 0.15       | 0.13 – 0.17          |
| <b>MATERIAL CHARACTERISTICS</b>     |                                                                               |                    |                   |                      |
| Minimum elongation before aging (%) | 500                                                                           | 500                | 500               | 650                  |
| Elongation after aging (%)          | 400                                                                           | 400                | 400               | 600                  |
| Tensile strength before aging (MPa) | 33                                                                            | 30                 | 29                | 22                   |
| Tensile strength after aging (MPa)  | 31                                                                            | 29                 | 14                | 20                   |
| Force at break before aging (N)     | 7                                                                             | 10                 | 7                 | 9                    |
| <b>QUALITY</b>                      |                                                                               |                    |                   |                      |
| AQL                                 | 0.65                                                                          | 0.65               | 1.5               | 1.5                  |
| <b>COMPLIANCE TO STANDARDS</b>      |                                                                               |                    |                   |                      |
| PPE EU Regulation 2016/425          | Personal Protective Equipment (PPE) Category III                              |                    |                   |                      |
| EN ISO 21420                        | In compliance, Sizing for special purpose                                     |                    |                   | In compliance EN 420 |
| EN 374-1                            | Type B                                                                        | Type B             | Type B            | Type B               |
| EN374-2                             | Level 3 (AQL 0.65)                                                            | Level 3 (AQL 0.65) | Level 2 (AQL 1.5) | Level 2 (AQL 1.5)    |
| EN16523-1                           | In compliance, splash protection                                              |                    |                   |                      |
| EN 374-4                            | In compliance, determination of resistance to degradation                     |                    |                   |                      |
| EN 374-5                            | In compliance, requirements for micro-organism risks                          |                    |                   |                      |
| EN455                               | In compliance with Parts 1,2,3,4                                              |                    |                   | Parts 1,2,3          |
| ISO 21171/ASTM D6124                | In compliance, determination of removable surface powder                      |                    |                   |                      |
| ISO 16604                           | In compliance, protection against penetration by blood-borne pathogens        |                    |                   |                      |
| ASTM D6319                          | ☑                                                                             | ☑                  | ☑                 | not applicable       |
| Regulation (EC) No 1935/2004        | In compliance, materials and articles intended to come into contact with food |                    |                   |                      |

**MORE INFO**

[www.starlab.click/starguard](http://www.starlab.click/starguard)

# Microflex® Gloves.



AQL  
0.65

## Microflex® XCEED

| Description               | Pack Size | Article No.      |
|---------------------------|-----------|------------------|
| XCEED® Nitrile Gloves, S  | 10 × 250  | <b>XC-INT-S</b>  |
| XCEED® Nitrile Gloves, M  | 10 × 250  | <b>XC-INT-M</b>  |
| XCEED® Nitrile Gloves, XL | 10 × 230  | <b>XC-INT-XL</b> |

<sup>1)</sup> XL 230 gloves

For XS & L sizes, see XCEED alternative StarGuard® COMFORT, page 135.



**PPE Cat. III Complex Design**  
**Blue Nitrile Glove. Textured Fingers**  
**Length: 240 mm. 250 Gloves per Box<sup>1)</sup>**

## MORE INFO

[www.starlab.click/xceed](http://www.starlab.click/xceed)



AQL  
0.65

## Microflex® 93-843

| Description                          | Pack Size | Article No.      |
|--------------------------------------|-----------|------------------|
| Microflex 93-843, Nitrile Gloves, XS | 10 × 100  | <b>93-843-XS</b> |
| Microflex 93-843, Nitrile Gloves, S  | 10 × 100  | <b>93-843-S</b>  |
| Microflex 93-843, Nitrile Gloves, M  | 10 × 100  | <b>93-843-M</b>  |
| Microflex 93-843, Nitrile Gloves, L  | 10 × 100  | <b>93-843-L</b>  |
| Microflex 93-843, Nitrile Gloves, XL | 10 × 100  | <b>93-843-XL</b> |



**PPE Cat. III Complex Design**  
**Violet Blue Nitrile Glove. Textured Fingers**  
**Length: 245 mm. 100 Gloves per Box**

## MORE INFO

[www.starlab.click/93-843](http://www.starlab.click/93-843)



# Microflex® Gloves.



## 93-853 – Reliable hazard protection

Extended cuff provides additional protection over the wrist for hazardous environments. Advanced nitrile formulation offers up to three times the puncture resistance of latex or vinyl disposable gloves.

- Excellent chemical breakthrough resistance
- Over wrist protection against laboratory hazards; glove length 295 mm
- Very high barrier properties (AQL 0.65)
- Antistatic (EN 1149)



AQL  
0.65

### Microflex® 93-853

| Description                                   | Pack Size | Article No. |
|-----------------------------------------------|-----------|-------------|
| Microflex 93-853 Nitrile Glove, Ext. Cuff, XS | 10 x 50   | 93-853-XS   |
| Microflex 93-853 Nitrile Glove, Ext. Cuff, S  | 10 x 50   | 93-853-S    |
| Microflex 93-853 Nitrile Glove, Ext. Cuff, M  | 10 x 50   | 93-853-M    |
| Microflex 93-853 Nitrile Glove, Ext. Cuff, L  | 10 x 50   | 93-853-L    |
| Microflex 93-853 Nitrile Glove, Ext. Cuff, XL | 10 x 50   | 93-853-XL   |



**PPE Cat. III Complex Design**  
**Blue Nitrile Glove. Textured Fingers**  
**Length: 295 mm. 50 Gloves per Bag**

### MORE INFO

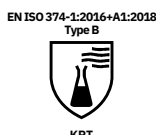
[www.starlab.click/93-853](http://www.starlab.click/93-853)



## 93-243 – Superior forearm protection

Soft durable nitrile material ensures extended protection up to the elbow with a comfortable feel.

- Provides extra security over the wrist and forearm
- Unique cuff design prevents roll-down
- Textured palm and fingers for a confident secure grip
- Accelerator free
- Antistatic (EN 1149)



AQL  
1.5



390mm glove length for superior forearm protection.

### Microflex® 93-243

| Description                       | Pack Size | Article No. |
|-----------------------------------|-----------|-------------|
| Microflex 93-243, Extra Long, XS  | 10 x 100  | 93-243-XS   |
| Microflex 93-243, Extra Long, S   | 10 x 100  | 93-243-S    |
| Microflex 93-243, Extra Long, M   | 10 x 100  | 93-243-M    |
| Microflex 93-243, Extra Long, L   | 10 x 100  | 93-243-L    |
| Microflex 93-243, Extra Long, XL  | 10 x 100  | 93-243-XL   |
| Microflex 93-243, Extra Long, XXL | 10 x 100  | 93-243-XXL  |



**PPE Cat. III Complex Design**  
**Blue Nitrile Glove. Textured Fingers**  
**Length: 390 mm. 100 Gloves per Bag**

### MORE INFO

[www.starlab.click/93-243](http://www.starlab.click/93-243)

# Microflex® Gloves.



## 73-847 – Ergonomically designed gloves with exceptional grip

Soft and pliable neoprene formulation that provides effective resistance to many chemicals, and provides a comfortable and tactile wear that is close in feel to latex.

- ERGOFORM™ Technology: designed with proprietary technology to reduce hand fatigue
- Excellent grip in wet conditions. Certified by US Ergonomics for wet performance
- Comfortable fit and heightened sensitivity



**AQL**  
**1.5**

### Microflex® 73-847

| Description                                     | Pack Size | Article No.      |
|-------------------------------------------------|-----------|------------------|
| Microflex 73-847, Neoprene Glove, Ergonomic, XS | 10 × 100  | <b>73-847-XS</b> |
| Microflex 73-847, Neoprene Glove, Ergonomic, S  | 10 × 100  | <b>73-847-S</b>  |
| Microflex 73-847, Neoprene Glove, Ergonomic, M  | 10 × 100  | <b>73-847-M</b>  |
| Microflex 73-847, Neoprene Glove, Ergonomic, L  | 10 × 100  | <b>73-847-L</b>  |
| Microflex 73-847, Neoprene Glove, Ergonomic, XL | 10 × 100  | <b>73-847-XL</b> |



**PPE Cat. III Complex Design**  
**Green Neoprene Glove. Textured Fingers**  
**Length: 245 mm. 100 Gloves per Box**

### MORE INFO

[www.starlab.click/73-847](http://www.starlab.click/73-847)



# Microflex® Gloves.



## 93-260 – Chemical protection and comfort

Innovative three layered glove design comprising nitrile and neoprene that provides superior protection against harsh chemicals, whilst still providing comfort and dexterity for the user.

- Ergonomic design for excellent comfort during use
- Lower acceptable pinhole rate (0.65 AQL) for reliable protection against hazardous substances
- Longer length for even greater protection
- Type A classification
- Antistatic (EN 1149)



AQL  
0.65

### Microflex® 93-260

| Description                                                      | Pack Size | Article No.       |
|------------------------------------------------------------------|-----------|-------------------|
| Microflex 93-260 Nitrile/Neoprene Glove, Chemical Resistant, XS  | 10 × 50   | <b>93-260-XS</b>  |
| Microflex 93-260 Nitrile/Neoprene Glove, Chemical Resistant, S   | 10 × 50   | <b>93-260-S</b>   |
| Microflex 93-260, Nitrile/Neoprene Glove, Chemical Resistant, M  | 10 × 50   | <b>93-260-M</b>   |
| Microflex 93-260 Nitrile/Neoprene Glove, Chemical Resistant, L   | 10 × 50   | <b>93-260-L</b>   |
| Microflex 93-260 Nitrile/Neoprene Glove, Chemical Resistant, XL  | 10 × 50   | <b>93-260-XL</b>  |
| Microflex 93-260 Nitrile/Neoprene Glove, Chemical Resistant, XXL | 10 × 50   | <b>93-260-XXL</b> |

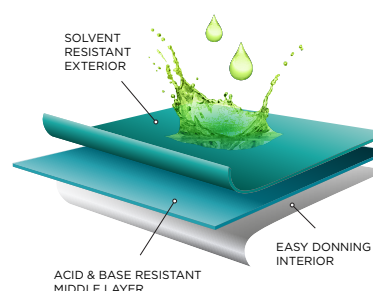
### MORE INFO

[www.starlab.click/93-260](http://www.starlab.click/93-260)



**PPE Cat. III Complex Design**  
**Green Nitrile/Neoprene Glove. Textured Fingers**  
**Length: 285 mm. 50 Gloves per Box**

Innovative  
three layer  
design



# Glove Box Dispenser.

The epoxy-coated steel wire rack holds three boxes of gloves and is suitable for use with most brands and sizes of box. Supplied with fixings for wall mounting.

### Glove Box Dispenser

| Description                           | Pack Size | Article No.       |
|---------------------------------------|-----------|-------------------|
| Wire Glove Dispenser                  | 1         | <b>E3099-3100</b> |
| Dimensions (WxDxH) 250 x 108 x 454 mm |           |                   |

### MORE INFO

[www.starlab.click/glovesdispenser](http://www.starlab.click/glovesdispenser)



# Chemgene MEDLAB Multi-Surface Disinfectant.



|                                                                                                                                                                                                                                         | CONCENTRATE                                             |                                                  |                                               | READY TO USE SPRAY                                 |                                                 | WIPES                            | ACCESSORIES                                            |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|-----------------------------------------------|----------------------------------------------------|-------------------------------------------------|----------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                         | 1 Litre Self-Dosing Container Clear, Unfragranced 100 % | 5 Litre Pump Container Clear, Unfragranced 100 % | 5 Litre Pump Container Blue, Eucalyptus 100 % | 750 ml Ready to Use Spray Clear, Unfragranced 10 % | 750 ml Ready to Use Spray Blue, Eucalyptus 10 % | 96-Wipe Resealable Flow-Wrap 10% | Pump for use with 5 L Containers 10 ml dosage per pump | 1 Litre Empty, Reusable Trigger Spray For compliant storage of diluted disinfectant |
| Article No:                                                                                                                                                                                                                             | SKU074A                                                 | SKU075A                                          | SKU077A                                       | SKU093A                                            | SKU095A                                         | SKU101A                          | TR021                                                  | SKU084A                                                                             |
| Pack Size:                                                                                                                                                                                                                              | 6 x 1 Litres                                            | 2 x 5 Litres                                     | 2 x 5 Litres                                  | 6 x 750 ml                                         | 6 x 750 ml                                      | 6 x Flow Wraps                   | 1 x pump                                               | 5 x bottles                                                                         |
| Compliant with regulations in the UK and EU incl. the Biocidal Products Regulation (BPR), Classification of Labelling and Packaging (CLP) and Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) regulations. |                                                         |                                                  |                                               |                                                    |                                                 |                                  |                                                        |                                                                                     |

**Chemgene MEDLAB multi-surface disinfectant** delivers a new, unique formulation. The combination of active substances in Chemgene MEDLAB ensure that equipment and instruments can be routinely cleaned and disinfected to a consistently high standard, with less risk of antimicrobial resistance.

Chemgene MEDLAB is suitable for the cleaning and disinfection of a variety of surfaces, instruments and equipment in laboratory, medical and forensic settings, against bacteria, yeast, fungi, enveloped viruses, adenovirus, norovirus and bacteriophage.

## Product features:

- Non corrosive
- Biodegradable ingredients
- Alcohol and chlorine free
- No rinsing required
- Complies with BPR, CLP and REACH
- Made in UK



## Concentrate

- Economical dilution rates
- 2-year shelf-life<sup>1)</sup>
- Diluted solution effective for 3 months
- 1L bottle made from 50 % recycled HDPE, 5 L bottle made from 35 % recycled HDPE. Both are recyclable

## Ready to Use Spray

- Effective from 60 seconds
- Convenient, reliable pre-diluted formula
- 2-year shelf-life<sup>1)</sup>
- Bottle is made from 30 % recycled HDPE and is recyclable

## Wipes

- For quick and convenient disinfection
- Absorbent, thick (45 gsm) and large (200 x 180 mm) wipes; each wipe disinfects 1 m<sup>2</sup>
- 2-year shelf-life<sup>1)</sup>
- Wipes are plastic-free and biodegradable

## 1 L Empty Reusable Spray Bottle

- For compliant storage of diluted disinfectant
- 1 L volume aids easy dilution of concentrate
- Ergonomic trigger for comfortable use
- Made from 100 % recycled HDPE
- Recyclable

## MORE INFO

[www.starlab.click/disinfectant](http://www.starlab.click/disinfectant)

<sup>1)</sup>From date of manufacture.

# Chemgene MEDLAB Multi-Surface Disinfectant.

## USE IN THE LABORATORY

### Protection from pathogenic microorganisms

Carry out your daily tasks safe in the knowledge that you are protected from the risk of infection, even in the presence of organic spills. Use for the cleaning and disinfection of surfaces, instruments and lab equipment and non-medical devices.

## USE IN HEALTHCARE SETTINGS

### Protection from multi-drug resistant pathogens

Effective infection prevention and control in the healthcare environment for cleaning and disinfection to consistently high standards. Use for the cleaning and disinfection of walls, floors, surfaces, furniture, frequent touch-points and non-critical equipment.

## FORENSIC USE

### Protection from cross-contamination

Protect against the risk of infection and prevent cross-contamination of DNA between crime scenes. Effective in denaturing DNA & RNA on a wide range of equipment including nitrile gloves, aluminium stepping plates, drying cabinets and disrobing tents, providing exceptional efficacy against relevant human health pathogens both in and outside the lab.

## EXAMPLE APPLICATIONS

- Benches and worksurfaces
- Fume hoods
- Biosafety cabinets
- Incubators and refrigerators
- Autoclaves
- Water baths (always rinse with clean water before refilling)
- Pipettes and pipette tips
- Cell cultures
- Discard jars
- Glassware
- Instruments and equipment eg. balances, mixers, shakers
- Computer equipment
- Sample containers
- Storage bins
- Waste disposal bins/areas
- Sinks and taps
- Door handles & light switches
- Walls & floors

**General cleaning & disinfection: 1 %**  
**High risk & biohazard conditions: 10 %**

### CONCENTRATE DILUTION CHART

| Effective against                                                                                             | Dilution              | Contact time      |
|---------------------------------------------------------------------------------------------------------------|-----------------------|-------------------|
| <b>Bactericidal.</b> Incl. ESKAPE organisms, Moraxella, Streptococcus pyrogenes, E.coli                       | 1 %                   | 5 mins            |
| <b>Bactericidal.</b> Legionella                                                                               | 1 %                   | 10 mins           |
| <b>Bacteriophages</b>                                                                                         | 1 %                   | 5 mins            |
| <b>Yeasticidal.</b> Incl. Candida alicans, Candida auris                                                      | 1 %                   | 10 mins           |
| <b>Virucidal (enveloped viruses).</b> Incl. Vaccinia virus, HIV, Hepatitis B & C, Herpes Simplex, Coronavirus | 1 %                   | 10 mins           |
| <b>Fungicidal.</b> Incl. Aspergillus brasiliensis                                                             | 5 %                   | 10 mins           |
| <b>Virucidal (non-enveloped viruses).</b> Adenovirus<br>Norovirus                                             | 10 %<br>10 %          | 5 mins<br>30 mins |
| <b>Mycobacteria<sup>1)</sup></b><br>Mycobacterium avium<br>Mycobacterium terrae                               | <b>NEW!</b><br>5% min | 60 mins           |

<sup>1)</sup> Applicable to concentrate/ready to use spray only (not applicable to wipes).

### EXCEPTIONAL ANTIMICROBIAL ACTIVITY!

- Bacteria
- Yeast
- Fungi
- Enveloped viruses
- Adenovirus & Norovirus
- Bacteriophage
- Denatures RNA/DNA
- Mycobacteria

Chemgene MEDLAB has been tested to the following European PT2 test standards.

**Medical:** EN13727 & EN17387 (bactericidal), EN13624 & EN17387 (yeasticidal, fungicidal), EN16777 (virucidal – all enveloped viruses), EN16777 (Adenovirus, Norovirus), EN16615 (disinfectant wipe test), EN14348 (mycobacteria).

**Domestic:** EN14476 (virucidal – all enveloped viruses), EN14476 (Adenovirus, Norovirus).

**Other:** EN13623 (Legionella), EN13610 (Bacteriophage).

For full list of microbiological efficacy:  
[starlab.click/microbio-efficacy](http://starlab.click/microbio-efficacy)

# Distel® Dosing System.

**Distel DS** is a convenient and easy to use disinfectant system for the cleaning and disinfection of hard surfaces and non-invasive medical devices. Simply dilute 1 litre of concentrate with tap water to make 10 litres of disinfectant that is effective against bacteria, yeast and viruses in just 3 minutes!

The clever dosing head ensures a consistent 5.0 ml dose of disinfectant every time. A starter pack is available that contains all you need to get going; then you can purchase the 1 L concentrate on its own to keep you going. Eliminate single-use plastic wipes now with Distel DS – just dilute, dose, and wipe using the towel or cloth of your choice.

## Features:

- Effective against Coronaviruses in 3 minutes\*
- Effective against bacteria, yeast and viruses
- Destroys RNA and DNA
- PHMB-free formulation
- 1 L of concentrate provides 2000 x 5.0 ml doses
- Volume markers on bottles aid quick and easy dilution
- Dosing heads provide consistent dosage, every time
- Save plastic waste! Reuse the bottles again and again



CE

### 1 L Distel Concentrate

Comprises:

- 1 x 1 L Bottle Distel DS Concentrate.
- 1 x 5.0 ml Dosing Head.
- 1 x Working Solution Bottle Label

**Article No. CCH050201**

\*Distel DS has been tested in accordance with German regulatory norm of DVV / RKI for enveloped viruses, which is the equivalent of the virucidal norm EN 14476. Organisms are chosen by scientists for testing under this regulatory standard as they are representative of the most resistant enveloped viruses in the medical area. These viruses are Bovine Viral Diarrhea Virus (Surrogate for Hepatitis C) and Modified Vaccinia Virus Ankara.

Efficacy against these viruses and compliance with this standard infers efficacy against all enveloped viruses only, which includes SARS-Cov-2, the virus responsible for the COVID-19 pandemic.



## REPLACE PLASTIC WIPES

Use with any reusable cloth or paper towel.  
The Dosing Head controls the amount of disinfectant, providing a consistent 5.0 ml dose every time.

## MORE INFO

[www.starlab.click/disinfectant](http://www.starlab.click/disinfectant)

# Safety Spill Trays & Liners.



## Define a safe working area!

Define your work area so you and your colleagues are safe. Unlike disposable paper bench protectors, these Safety Trays are reusable. This reduces running costs and drastically reduces contaminated waste volume. The APET tray liner is anti-static with a non-porous surface which, unlike absorbent paper protectors, allows valuable samples to be retrieved.

## Features

- Reusable! Saves on costs and reduces waste
- Raised edge contains any spills
- Provides a defined work area
- Rigid PVC spill tray bases designed for easy cleaning
- Anti-static APET tray liners
- Allows you to retrieve valuable samples



Spillages are easily cleared or retrieved



The Tray Liners lift off the Spill Tray ... just stretch...



...and roll up for disposal.



Volume of waste is drastically reduced

## Spill Trays & Liners

### Safety Spill Trays

|  | Description                    | Approx. Size  | Pack Size | Article No.       |
|--|--------------------------------|---------------|-----------|-------------------|
|  | General Purpose Tray, White    | 460 x 260 mm  | 1         | <b>E3446-2609</b> |
|  | General Purpose Tray, White    | 540 x 340 mm  | 1         | <b>E3454-3409</b> |
|  | General Purpose Tray, White    | 570 x 540 mm  | 1         | <b>E3457-5409</b> |
|  | General Purpose Tray, White    | 680 x 540 mm  | 1         | <b>E3468-5409</b> |
|  | General Purpose Tray, White    | 680 x 460 mm  | 1         | <b>E3470-4609</b> |
|  | General Purpose Tray, White    | 1110 x 530 mm | 1         | <b>E3411-3549</b> |
|  | Radiation Hazard Trays, Yellow | 460 x 260 mm  | 1         | <b>E3446-2606</b> |
|  | Radiation Hazard Trays, Yellow | 540 x 340 mm  | 1         | <b>E3454-3406</b> |
|  | Radiation Hazard Trays, Yellow | 680 x 540 mm  | 1         | <b>E3468-5406</b> |
|  | Radiation Hazard Trays, Yellow | 1110 x 530 mm | 1         | <b>E3411-3546</b> |
|  | Biohazard Trays, White         | 460 x 260 mm  | 1         | <b>E3646-2609</b> |
|  | Biohazard Trays, White         | 540 x 340 mm  | 1         | <b>E3654-3409</b> |
|  | Biohazard Trays, White         | 570 x 540 mm  | 1         | <b>E3657-5409</b> |
|  | Biohazard Trays, White         | 680 x 540 mm  | 1         | <b>E3668-5409</b> |
|  | Biohazard Trays, White         | 1110 x 530 mm | 1         | <b>E3611-3549</b> |

### Tray Liners

| Pack Size | Article No.       |
|-----------|-------------------|
| 25        | <b>E3546-2600</b> |
| 25        | <b>E3554-3400</b> |
| 25        | <b>E3557-5400</b> |
| 25        | <b>E3568-5400</b> |
| 25        | <b>E3570-4600</b> |
| 25        | <b>E3511-3540</b> |
| 25        | <b>E3546-2600</b> |
| 25        | <b>E3554-3400</b> |
| 25        | <b>E3568-5400</b> |
| 25        | <b>E3511-3540</b> |
| 25        | <b>E3546-2600</b> |
| 25        | <b>E3554-3400</b> |
| 25        | <b>E3557-5400</b> |
| 25        | <b>E3568-5400</b> |
| 25        | <b>E3511-3540</b> |

## MORE INFO

[www.starlab.click/benchtop-safety](http://www.starlab.click/benchtop-safety)

# Reusable Lab Mat.



Lipped mat edge prevents spills from spreading



Designated area with internal metal inserts to keep your stir bars safe



Reversible



Can be rolled up for easy storage

## Versatile reusable mat

A reusable mat for your lab bench to help keep it clean and safe from stains and spills. Made from durable silicone, the lab mat creates a stain-resistant washable working surface. After use, the mat can easily be cleaned using any standard disinfectant or simply by wiping if no contaminants are present. It can also be put into the dishwasher and it can be autoclaved.

The anti-skid mat offers a large and safe working area when using harsh chemicals and delicate glassware. The lipped edge of the mat helps contain spills and prevents liquids from running onto the floor.

## Features

- Made from durable silicone
- Versatile! Use on the bench, in cold rooms, sterile suites and areas where high sterility is a requirement
- Anti-skid surface
- Noise dampening! Reduces vibration sound from common worktop equipment
- Protects your bench from hot objects up to 200°C
- Chemically resistant and chemically inert
- Can be rolled up for easy storage
- Autoclavable

### Reusable Lab Mat

| Description      | Pack Size | Article No. |
|------------------|-----------|-------------|
| Reusable Lab Mat | 1         | E3860-0061  |

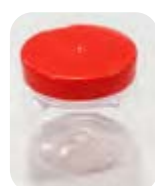
### Technical specifications

|                        |                  |
|------------------------|------------------|
| Dimensions (W × D × H) | 60 × 35 × 2 cm   |
| Autoclavable           | Yes              |
| Dishwasher safe        | Yes              |
| Material               | Silicone         |
| Reversible             | Yes              |
| Temperature use        | -50 °C to 200 °C |

## MORE INFO

[www.starlab.click/labmat](http://www.starlab.click/labmat)

# Safe Disposal.



## Disposable sweet jars

Portable waste containers, ideal for use either as a benchtop bin or for use in the laminar flow cabinet. Use for the safe disposal and storage of contaminated plasticware prior to autoclaving. When autoclaved, the polypropylene lid remains intact whilst the PET jar deforms to allow the steam inside to disinfect the contaminated material. The waste can then be safely disposed of.

### Sweet Jars

| Description                           | Pack Size | Article No.       |
|---------------------------------------|-----------|-------------------|
| 1.0L Disposable Sweet Jar             | 40        | <b>E1412-0002</b> |
| 2.5L Disposable Sweet Jar with Handle | 30        | <b>E1412-0000</b> |
| 4.25L Disposable Sweet Jar            | 31        | <b>E1412-0001</b> |

Dimensions: (HxØ) 1L 119 x 122mm; (WxDxH) 2.5L 120 x 120 x 215mm; 4.25L 145 x 115 x 295mm.

### MORE INFO

[www.starlab.click/sweetjars](http://www.starlab.click/sweetjars)



## Autoclave bags

- Polypropylene bags (48 microns) for autoclaving up to 136°C
- Printed with Biohazard Symbol and white write-on panel
- Use for contaminated waste disposal

### Autoclave Bags

| Description                 | Pack Size | Article No.       |
|-----------------------------|-----------|-------------------|
| Autoclave bags 310 x 660 mm | 200       | <b>E3300-3166</b> |
| Autoclave bags 415 x 600 mm | 200       | <b>E3300-4070</b> |
| Autoclave bags 610 x 810 mm | 200       | <b>E3300-6078</b> |



## Autoclave tape

- Available in two widths

### Autoclave Tape

| Description                 | Pack Size | Article No.       |
|-----------------------------|-----------|-------------------|
| Autoclave Tape (50m x 18mm) | 1         | <b>E3300-0000</b> |
| Autoclave Tape (50m x 25mm) | 1         | <b>E3300-0001</b> |



## Notes.





© Feb 2026. All rights reserved. Every effort has been made to ensure the content of this publication is correct. Starlab can not take responsibility for any errors or omissions. Technical specifications subject to change without notice.

CytoOne, ErgoOne, GuardOne, PlateOne, TubeOne, RepeatOne, Starlab, TipOne, StarGuard are registered Trademarks and owned by **Starlab Group**. StarChill, StarPet Filler, StarRack, StarSeal, StarStore, StarTags, StarTub, Rotator Mixer, Single & Dual Block Dry Bath, Vortex IR, TipOne Repeat and TwisStar are Trademarks of **Starlab Group**.

Trademarks or registered Trademarks of other manufacturers or distributors are acknowledged as the property of their respective owners. Trademarks as mentioned in this publication include:

Parafilm is a Trademark of **American National Can Company**. Microflex and XCEED are Trademarks of **Ansell**. Aurora Biomed Versa is a Trademark of **Aurora Biomed**. Biohit is a registered Trademark of **Biohit Oy**. Beckman Coulter, Beckman Biomek 1000, Beckman Biomek 2000, Beckman Biomek 3000, Beckman Biomek FX, Beckman Biomek NX, Beckman Multimek and Sagian are Trademarks of **Beckman Coulter**. Biotek is a Trademark of **BioTek Instruments**. M210-Lab, LabPal and BMP21-LAB are Trademarks of **Brady**. Brand and Brand HandyStep are Trademarks of **BRAND**. CAPP and CappOrigami are Trademarks of **CAPP, DK**. Corning and Costar are Trademarks of **Corning Inc.** Faststepper is a registered trademark **Denville**. Duran is a registered Trademark of **Duran group**. Dynamic Devices Oasis LM is a Trademark of **Dynamic Devices**. Eppendorf and Multipette are registered Trademarks of **Eppendorf AG**. Cyberlab, Distriman, Gilson and Pipetman are registered Trademarks of **Gilson Instruments**. SmartSpatula is a Trademark of **Heathrow Scientific**. Chemgene MEDLAB is a Trademark of **Byotrol**. Nichiryo is a Trademark of **Nichiryo**. Oxford-Benchmate is a Trademark of **Oxford Group**. Perkin Elmer Evolution P3, Perkin Elmer Janus, Perkin Elmer MiniTrak, Perkin Elmer Multiprobe, Packard, PlateTrak and Perkin Elmer are Trademarks of **Perkin Elmer**. CAS-4200, Colibra, Corbett, Qiagen, QIAgility, Rosys Qiagen and Rotor-Gene are Trademarks of **Qiagen**. Rainin LTS is a Trademark of **Rainin**. Lightcycler is a trademark of **Roche Holdings**. TaqMan® is a registered trademark of **Roche Molecular Systems, Inc.** Ripette, Ripette Pro and Ripette genX are Trademarks of **Ritter**. Biohit and Mechanical Steppe are Trademarks of **Sartorius**. SciClone is a Trademark of **SciClone Pharmaceutical**. SMI is a Trademark of **SMI**. Stepmate is a Trademark of **Scilogex**. Socorex is a Trademark of **Socorex Instruments**. Cryo Secure is a Trademark of **STARLAB, CH**. Aquarius, Freedom EVO, Tecan Freedom SE, Genesis and MiniPrep are Trademarks of **Tecan**. Finnpiquette, Fisherbrand, Labsystems and Matrix are Trademarks of **Thermo Fisher**. Titertek is a Trademark of **Titertek**. Distel is a Trademark of **Tristel**. ChannelMate is a Trademark of **USA Scientific Inc.** Volac is a Trademark of **Volac**.

PCR is a patented process of Roche Holdings.



T: +49 (0)40 675 99 39 0  
[info@starlab.de](mailto:info@starlab.de)  
[www.starlab.de](http://www.starlab.de)



T: +44 (0)1908 283800  
[info@starlab.co.uk](mailto:info@starlab.co.uk)  
[www.starlab.co.uk](http://www.starlab.co.uk)



T: +33 (0)1 60 13 71 70  
[info@starlab.fr](mailto:info@starlab.fr)  
[www.starlab.fr](http://www.starlab.fr)



For our international  
dealers, please go to  
[starlab.click/distributors](http://starlab.click/distributors)



T: +39 (0)2 7020 1040  
[info@starlab.it](mailto:info@starlab.it)  
[www.starlab.it](http://www.starlab.it)



T: +41 56 6645 980  
[info@starlab.ch](mailto:info@starlab.ch)  
[www.starlab.ch](http://www.starlab.ch)