

Because your lab  
deserves premium.  
**You are passionate  
for science.**

eppendorf PRODUCT GUIDE



VIEW ONLINE

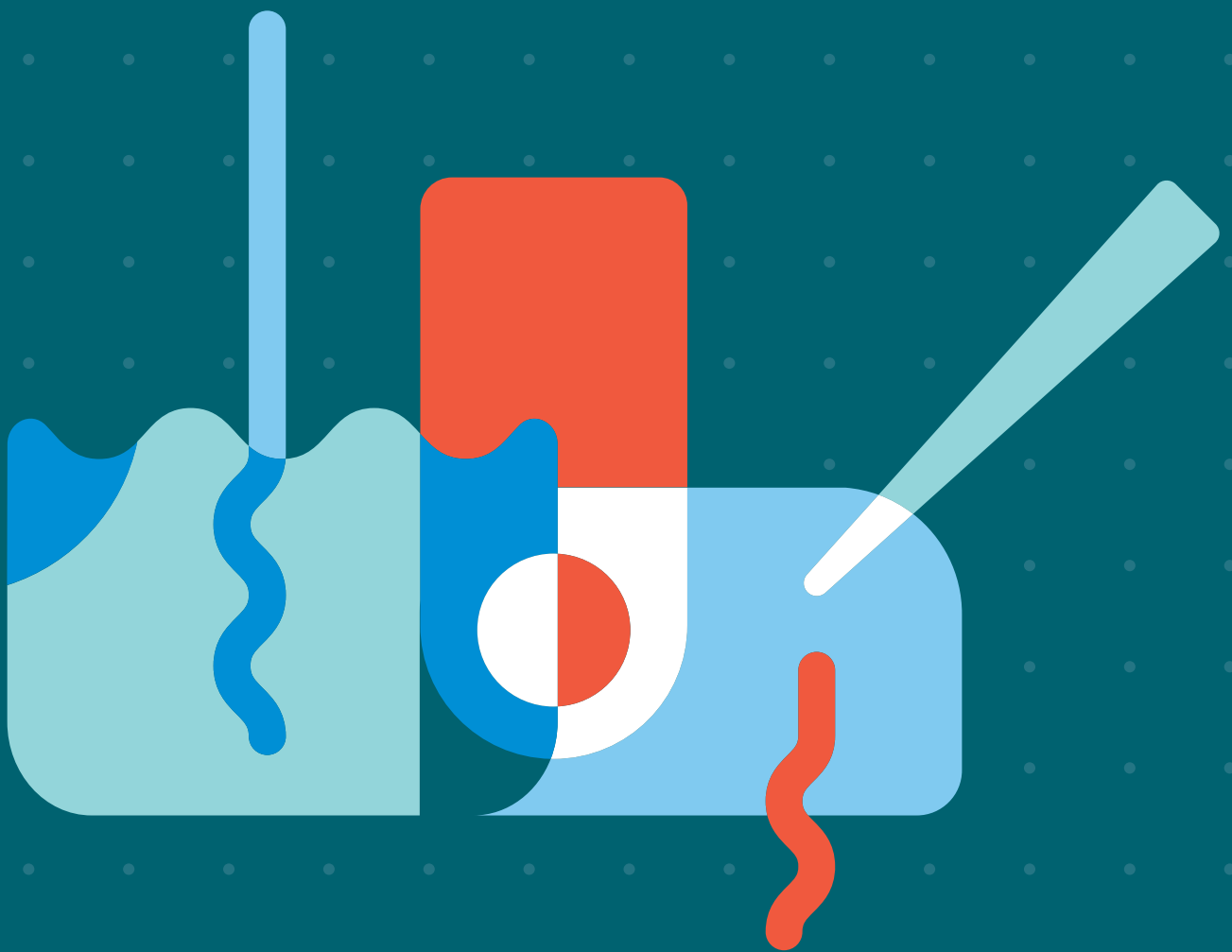
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Passionate for science.



# eppendorf

## Pipette portfolio.





# Eppendorf Research® 3 neo

Find your best fit with adaptability, precision, and comfort, all in your own hands.

With its innovative volume adjustment concept, ergonomic design and low operating forces, the new Eppendorf Research® 3 neo ensures comfortable pipetting for a wide variety of hand sizes. Experience the power of choice with faster or easier volume selection, improved temporary adjustment and new accessories. And you can of course always rely on the Research 3 neo for precise and consistent pipetting, crafted with the same excellence in liquid handling that has made Eppendorf pipettes renowned worldwide. Currently available as single-channel pipettes with nominal volumes from 2.5 µL to 10 mL.

Pipettes



## Product features

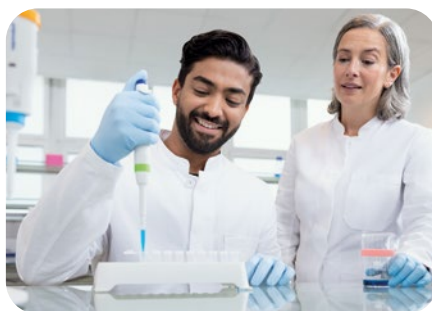
- Mechanical air-cushion pipette with **2-button operation** (one operating element for volume adjustment / pipetting, and one for tip ejection), and customizable settings for easy, ergonomic, and reliable pipetting
- **Shorter control button** with integrated volume adjustment enhances ergonomics for all and provides added comfort for small hands
- Unique **volume gear shift** to either speed up volume changes by up to 40% ('fast' setting) or fine-tune easily with just one hand ('easy' setting)

## Applications

- Forward pipetting
- Reverse pipetting
- Removal of supernatants
- Sample mixing
- Phase extraction
- Filling of reaction vessels, plates, or gels

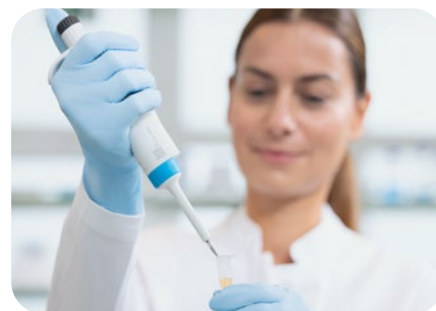


**It's your pipette, your way** Research 3 neo offers a customizable pipetting experience with adjustable volume setting speeds, temporary adjustment settings, universal tip cones, and flexible marking rings. Experience precision and efficiency that is powered by choice!



## Wave goodbye to muscular strain and fatigue

Streamline your pipetting and wave goodbye to muscular strain. Research 3 neo pipettes are light on hands, but heavy on precision, offering smoother operation and a better look than ever before.



**Reliable pipettes you can trust** You're in safe hands with the Research 3 neo pipettes. Several components are designed to ensure reliable longevity, and accuracy and precision beyond ISO 8655 limits when used with epT.I.P.S.® pipette tips.

**New****4-digit display**

Easy and precise volume adjustment with high viewing angle.

**Operating concept** Volume selection and pipetting in one button: Ergonomic for all with extra comfort for smaller hands.

**Unique volume gear shift** Fast mode: up to 40 % quicker adjustment; Easy mode: easy onehanded fine-tuning.

**Volume lock** Protects against unintentional volume changes.

**Ergonomic design** Butter-smooth pipetting with low forces; comfortable curved shape and modern look.

**Research 3 neo pipettes** Effortless pipetting with customizable settings, performance beyond ISO 8655, low weight and forces, high reliability, and full autoclavability.

**Temporary adjustment** Adjust for liquid types, tip geometry, altitude and more to maintain accuracy without recalibration. The solid cover plug prevents lost stickers.

**Open cone system** Optimized for Eppendorf tips but compatible with others. Springloading reduces attachment and ejection forces with Eppendorf tips.







## Order information

| Description                                                                                                                                           | Order no.  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Research® 3 neo</b> , 1-channel, variable, incl. epT.I.P.S.® Box 2.0 (x 96 tips) and ep Dualfilter T.I.P.S.® Rack (x 96 tips)            |            |
| 0.1 – 2.5 µL, dark gray, ACT                                                                                                                          | 3174000001 |
| <b>Eppendorf Research® 3 neo</b> , 1-channel, variable, incl. epT.I.P.S.® Box 2.0 (x 96 tips) and ep Dualfilter T.I.P.S.® BioBased Reload (x 96 tips) |            |
| 0.5 – 10 µL, medium gray, ACT                                                                                                                         | 3174000002 |
| 1 – 20 µL, light gray, ACT                                                                                                                            | 3174000003 |
| 1 – 20 µL, yellow, ACT                                                                                                                                | 3174000004 |
| 5 – 100 µL, yellow, ACT                                                                                                                               | 3174000005 |
| 10 – 200 µL, yellow, ACT                                                                                                                              | 3174000006 |
| 15 – 300 µL, orange, ACT                                                                                                                              | 3174000007 |
| 50 – 1,000 µL, blue, ACT                                                                                                                              | 3174000008 |
| <b>Eppendorf Research® 3 neo</b> , 1-channel, variable, incl. epT.I.P.S.® sample bag (x 10 tips)                                                      |            |
| 0.1 – 2 mL, red, ACT                                                                                                                                  | 3174000009 |
| 0.25 – 5 mL, violet, ACT                                                                                                                              | 3174000010 |
| 0.5 – 10 mL, turquoise, ACT                                                                                                                           | 3174000011 |

## Accessories

| Description                                                                                                                                                                                                                                   | Order no.  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Locking ring for single-channel pipettes</b> , for Eppendorf Research® 3, Xplorer/Xplorer plus, Research plus and Reference 2 single-channel pipettes, to prevent spring action in single-channel pipettes from 2.5 µL – 1,000 µL, 5 rings | 3102637000 |
| <b>Pipette adjustment tool</b> , for Eppendorf Research® 3 pipettes, 5 tools, grey                                                                                                                                                            | 3102690000 |
| <b>Pipette temporary adjustment cover</b> , for Eppendorf Research® 3 pipettes, 10 adjustment covers ADJ, white                                                                                                                               | 3102603000 |
| <b>Pipette factory adjustment seal</b> , for Eppendorf Research® 3 pipettes, 10 adjustment seals, red                                                                                                                                         | 3102603001 |
| <b>Pipette protection filter set</b> , for Eppendorf Research® 3 single-channel pipettes, 2 mL, color code: red, 20 filters with 1 filter sleeve for 2 mL pipettes                                                                            | 3102635000 |
| <b>Pipette protection filter set</b> , for Eppendorf Research® 3 single-channel pipettes, 5 mL, color code: violet, 20 filters with 1 filter sleeve for 5 mL pipettes                                                                         | 3102635001 |
| <b>Pipette protection filter set</b> , for Eppendorf Research® 3 single-channel pipettes, 10 mL, color code: turquoise, 20 filters with 1 filter sleeve for 10 mL pipettes                                                                    | 3102635002 |



# ColorTag marking rings - accessory for all pipettes



## Make Your Mark

Make your pipette your own and keep track of essential information with our new ColorTag silicone pipette marking rings, available in six sizes and twelve colors.

ColorTag marking rings attach easily to any Eppendorf pipette, offering easy color-coded identification even from a distance. Customize them with your pen for personalized labeling!

## Product features

- Flexibly label any pipette for personal use or specific applications
- Prevent errors from pipette misidentification
- Autoclavable and extensively tested for lab use

## Order information

**Eppendorf fit (fits pipette lower part, unless specified otherwise)**

- 1-channel pipettes up to 1 mL

- Upper part of all pipettes
- 2 mL pipettes

- 5 mL pipettes
- Easypet® 3, aspirating cone

- 10 mL pipettes
- All Multipette® dispensers
- Easypet® 3, grip
- Pipette Carousel 2 / Stand 2

- 8- or 16-channel pipettes
- Eppendorf Top Buret
- Varispenser® 2/2x

- 12- or 24-channel pipettes
- Move It® pipettes

| Size (inner Ø in mm) | 19 mm      | 24 mm      | 27 mm      | 34 mm      | 50 mm      | 73 mm      |
|----------------------|------------|------------|------------|------------|------------|------------|
| Packaging            | 10 pcs.    | 10 pcs.    | 5 pcs.     | 5 pcs.     | 5 pcs.     | 5 pcs.     |
| Color code           |            |            |            |            |            |            |
| light blue           | 3102660000 | 3102661000 | 3102662000 | 3102663000 | 3102664000 | 3102665000 |
| light green          | 3102660001 | 3102661001 | 3102662001 | 3102663001 | 3102664001 | 3102665001 |
| light yellow         | 3102660002 | 3102661002 | 3102662002 | 3102663002 | 3102664002 | 3102665002 |
| light orange         | 3102660003 | 3102661003 | 3102662003 | 3102663003 | 3102664003 | 3102665003 |
| light pink           | 3102660004 | 3102661004 | 3102662004 | 3102663004 | 3102664004 | 3102665004 |
| light violet         | 3102660005 | 3102661005 | 3102662005 | 3102663005 | 3102664005 | 3102665005 |
| neon blue            | 3102660010 | 3102661010 | 3102662010 | 3102663010 | 3102664010 | 3102665010 |
| neon green           | 3102660011 | 3102661011 | 3102662011 | 3102663011 | 3102664011 | 3102665011 |
| neon yellow          | 3102660012 | 3102661012 | 3102662012 | 3102663012 | 3102664012 | 3102665012 |
| neon orange          | 3102660013 | 3102661013 | 3102662013 | 3102663013 | 3102664013 | 3102665013 |
| neon pink            | 3102660014 | 3102661014 | 3102662014 | 3102663014 | 3102664014 | 3102665014 |
| neon magenta         | 3102660015 | 3102661015 | 3102662015 | 3102663015 | 3102664015 | 3102665015 |

## Description

**ColorTag pipette marking rings**, sample bag with each size in 2 colors (all 12 colors included), for Eppendorf liquid handling instruments and other lab equipment

## Order no.

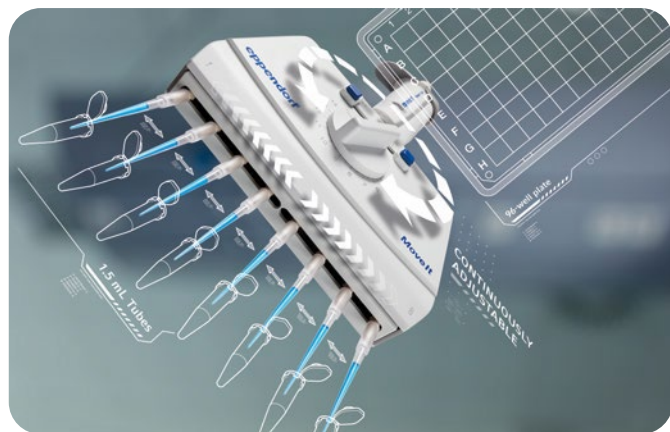
3102666000



# Move It®! Transfer multiple samples across vessels.

## Move It doubles your pipetting performance

Do you frequently transfer samples across different vessel formats, such as between tubes and plates, and strive for more efficient and safe solutions? The adjustable tip spacing pipette Move It® accelerates and simplifies synchronous pipetting of a series of samples. A unique design without tubing connections results in increased precision and durability as well as autoclavability, increasing user and sample safety.

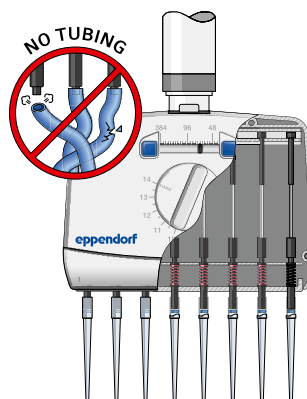
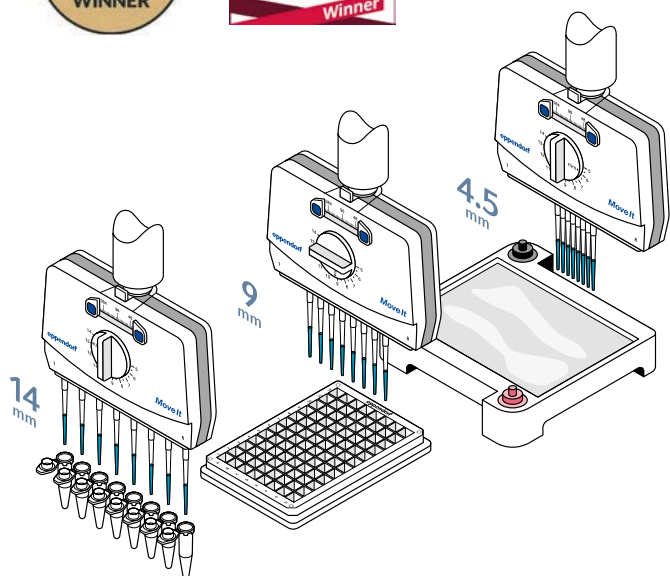


### Product features

- 4-, 6-, 8- and 12-channel air-cushion pipettes with variable volume and adjustable tip spacing option
- Available as mechanical (Research plus) and electronic (Xplorer plus) adjustable tip spacing multi-channel pipette
- For plates (384-, 96-, 48-, 24- and 12-well), tubes, agarose gels and more (depending on pipette variant)

### Applications

- ELISA
- Cell culture
- Cell-based assays
- (Real time) PCR
- Mouse genotyping
- Blood analysis
- FACS analysis
- Media transfer
- Dilution series
- Screening



Move It pipettes work without any tubing connections. Your benefits: fewer moving parts and a smaller air cushion increase durability and precision. Furthermore, the unique design makes autoclaving possible.<sup>1)</sup>

<sup>1)</sup> Research plus variants fully, Xplorer plus lower part only.

## Multiple sample transfer between different formats becomes fast and secure with Move It

Instead of pipetting many times, move 4 – 12 samples simultaneously. Reduces throughput time significantly.



# Move It® - Adjustable tip spacing pipettes.

## EPPENDORF RESEARCH® PLUS AND EPPENDORF XPLOER® PLUS

### Move It selection guide

Look for source and destination formats according to your application and see which variant fits best.



| Vessel Type | Type of tips           |  | epT.I.P.S.®                |                 |                 | epT.I.P.S.® 384            |              |
|-------------|------------------------|--|----------------------------|-----------------|-----------------|----------------------------|--------------|
|             | electronic/mechanical  |  | Xplorer plus/Research plus |                 |                 | Xplorer plus/Research plus |              |
| 4.5         | Number of channels     |  | 4                          | 6               | 8               | 8                          | 12           |
|             | Volume                 |  | 300 µL/1,200 µL            | 300 µL/1,200 µL | 300 µL/1,200 µL | 20 µL/100 µL               | 20 µL/100 µL |
|             | Tip distance (mm)      |  | 9-33 mm                    | 9-20 mm         | 9-14 mm         | 4.5-14 mm                  | 4.5-9 mm     |
|             | 384 Wells              |  |                            |                 |                 | •                          | •            |
| 9           | 96 Wells               |  |                            | •               | •               | •                          | •            |
|             | 48 Wells               |  | •                          | •               | •               | •                          |              |
|             | 24 Wells               |  | •                          | •               |                 |                            |              |
|             | 12 Wells               |  | •                          |                 |                 |                            |              |
| 21-33       | 1.5/2.0/5.0/15 mL Tube |  | •                          |                 |                 |                            |              |
|             | 15-20                  |  | •                          | •               |                 |                            |              |
|             | 9-14                   |  | •                          | •               | •               | •                          |              |
|             | ~4.5-9                 |  | • <sup>1)</sup>            | • <sup>1)</sup> | • <sup>1)</sup> | •                          | •            |
| Agarose gel |                        |  |                            |                 |                 |                            |              |

<sup>1)</sup> Limited suitability due to volume and size of tips.



# Move It® - Your Options

## You have the choice

Mechanical Research plus pipettes are the workhorses for each lab. Xplorer plus electronic pipettes are the ideal choice if you need several pipetting modes (e.g. dispensing or pipetting & mixing) and an additional boost in ergonomics with motor-driven pistons.



Pipettes.

## Move It®, mechanical multi-channel pipettes, adjustable cone distance

### Order information

| Description                                                                                                                              | Order no.  |
|------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Research® plus Move It®</b> , 4-channel, 9-33 mm cone distance, variable, incl. epT.I.P.S.® Box 2.0 with 96 pipette tips    |            |
| 30 – 300 µL, orange                                                                                                                      | 3125000150 |
| <b>Eppendorf Research® plus Move It®</b> , 4-channel, 9-33 mm cone distance, variable                                                    |            |
| 120 – 1,200 µL, dark green                                                                                                               | 3125000184 |
| <b>Eppendorf Research® plus Move It®</b> , 6-channel, 9-20 mm cone distance, variable, incl. epT.I.P.S.® Box 2.0 with 96 pipette tips    |            |
| 30 – 300 µL, orange                                                                                                                      | 3125000168 |
| <b>Eppendorf Research® plus Move It®</b> , 6-channel, 9-20 mm cone distance, variable                                                    |            |
| 120 – 1,200 µL, dark green                                                                                                               | 3125000192 |
| <b>Eppendorf Research® plus Move It®</b> , 8-channel, 4.5-14 mm cone distance, variable, incl. epT.I.P.S.® Box 2.0 with 384 pipette tips |            |
| 1 – 20 µL, light pink                                                                                                                    | 3125000117 |
| 5 – 100 µL, light yellow                                                                                                                 | 3125000133 |
| <b>Eppendorf Research® plus Move It®</b> , 8-channel, 9-14 mm cone distance, variable, incl. epT.I.P.S.® Box 2.0 with 96 pipette tips    |            |
| 30 – 300 µL, orange                                                                                                                      | 3125000176 |
| <b>Eppendorf Research® plus Move It®</b> , 8-channel, 9-14 mm cone distance, variable                                                    |            |
| 120 – 1,200 µL, dark green                                                                                                               | 3125000206 |
| <b>Eppendorf Research® plus Move It®</b> , 12-channel, 4.5-9 mm cone distance, variable, incl. epT.I.P.S.® Box 2.0 with 384 pipette tips |            |
| 1 – 20 µL, light pink                                                                                                                    | 3125000125 |
| 5 – 100 µL, light yellow                                                                                                                 | 3125000141 |

## Move It®, electronic multi-channel pipettes, adjustable cone distance

### Order information

| Description                                                                            | Order no.  |
|----------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Xplorer® plus Move It®</b> , 4-channel, 9-33 mm cone distance, variable   |            |
| 15 – 300 µL, orange                                                                    | 4861000816 |
| 50 – 1,200 µL, green                                                                   | 4861000833 |
| <b>Eppendorf Xplorer® plus Move It®</b> , 6-channel, 9-20 mm cone distance, variable   |            |
| 15 – 300 µL, orange                                                                    | 4861000817 |
| 50 – 1,200 µL, green                                                                   | 4861000834 |
| <b>Eppendorf Xplorer® plus Move It®</b> , 8-channel, 4.5-14 mm cone distance, variable |            |
| 1 – 20 µL, light pink                                                                  | 4861000781 |
| 5 – 100 µL, light yellow                                                               | 4861000794 |
| <b>Eppendorf Xplorer® plus Move It®</b> , 8-channel, 9-14 mm cone distance, variable   |            |
| 15 – 300 µL, orange                                                                    | 4861000818 |
| 50 – 1,200 µL, green                                                                   | 4861000835 |
| <b>Eppendorf Xplorer® plus Move It®</b> , 12-channel, 4.5-9 mm cone distance, variable |            |
| 1 – 20 µL, light pink                                                                  | 4861000782 |
| 5 – 100 µL, light yellow                                                               | 4861000795 |





# 384. Ready. Set. Pipette

## 16 or 24 Wells in Just One Step!

Are you tired of pipetting into 384-well plates? Do you yearn for a convenient, ergonomic, and safe solution? Look no further than Eppendorf's innovative 16- and 24-channel pipetting system, designed to streamline your workflows and enhance your productivity.



### Fill 384 wells within a minute

- No more tedious work and mistakes due to inconvenient alternate well pipetting with 8- and 12-channel pipettes
- Set up or validate an automated process manually and have a reliable backup system in place
- Increase your throughput today and change from 96- to 384-well plates

Eppendorf 16- and 24-channel pipettes are available as mechanical Research<sup>®</sup> plus or Eppendorf Xplorer<sup>®</sup> plus electronic pipettes for increased ergonomics and added versatility.



### Superior ergonomics and precision with epT.I.P.S.<sup>®</sup> 384

epT.I.P.S. 384 and ep Dualfilter T.I.P.S.<sup>®</sup> 384 micropipette tips with innovative SoftAttach<sup>®</sup> technology are optimized for our 16- and 24-channel pipettes, as well as 20  $\mu$ L and 100  $\mu$ L Move It<sup>®</sup> adjustable tip spacing pipettes.



### Your benefits

- Elastic forming grooves provide a perfect seal while operating forces are reduced to a minimum
- Outstanding and reliable tip fit and tightness
- Reduced tip attachment and ejection forces



# Eppendorf Research® plus

## The light pipette for effortless pipetting

The Eppendorf Research plus mechanical pipette is the result of over 60 years of experience in liquid handling and is one of the most commonly used pipettes in the world. Thanks to the pioneering Eppendorf PhysioCare Concept®, the Research plus is highly ergonomic and supports your health in the laboratory. It features very low weight and operation forces, is extremely reliable, fully autoclavable and easy to use. With a variety of options available, including single-channel pipettes with fixed or variable volume, multi-channel pipette options with 8, 12, 16 or 24 channels, and our Research plus Move It® adjustable tip spacing micropipettes, we are confident that we can offer the right choice for your application.



### Product features

- Mechanical air-cushion pipette with standard 3-button operation (one operating element for volume selection, one for pipetting, and one for tip ejection)
- Ideal for accurate, easy, and ergonomic manual pipetting of aqueous solutions
- Feel the difference in weight and pipetting forces: Designed according to the Eppendorf PhysioCare Concept® principles

### Applications

- Forward pipetting
- Reverse pipetting
- Removal of supernatants
- Sample mixing
- Phase extraction
- Filling of plates, gels, and reaction vessels



**A joy for your eyes - 4-digit volume display on Eppendorf Research® plus mechanical pipettes.**

### Order information

| Description                                       | Order no.                  |
|---------------------------------------------------|----------------------------|
| <b>Eppendorf Research® plus, 1-channel, fixed</b> |                            |
| 10 µL, medium gray                                | <a href="#">3124000016</a> |
| 10 µL, yellow                                     | <a href="#">3124000024</a> |
| 20 µL, light gray                                 | <a href="#">3124000032</a> |
| 20 µL, yellow                                     | <a href="#">3124000040</a> |
| 25 µL, yellow                                     | <a href="#">3124000059</a> |
| 50 µL, yellow                                     | <a href="#">3124000067</a> |
| 100 µL, yellow                                    | <a href="#">3124000075</a> |
| 200 µL, yellow                                    | <a href="#">3124000083</a> |
| 200 µL, blue                                      | <a href="#">3124000091</a> |
| 250 µL, blue                                      | <a href="#">3124000105</a> |
| 500 µL, blue                                      | <a href="#">3124000113</a> |
| 1,000 µL, blue                                    | <a href="#">3124000121</a> |



## Order information

| Description                                                                                                                            | Order no.  |
|----------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Research<sup>®</sup> plus</b> , 1-channel, variable, incl. epT.I.P.S. <sup>®</sup> Box 2.0 with 96 pipette tips           |            |
| 0.1 – 2.5 µL, dark gray, ACT                                                                                                           | 3123000012 |
| 0.5 – 10 µL, medium gray, ACT                                                                                                          | 3123000020 |
| 2 – 20 µL, light gray, ACT                                                                                                             | 3123000098 |
| 2 – 20 µL, yellow, ACT                                                                                                                 | 3123000039 |
| 10 – 100 µL, yellow, ACT                                                                                                               | 3123000047 |
| 20 – 200 µL, yellow, ACT                                                                                                               | 3123000055 |
| 30 – 300 µL, orange, ACT                                                                                                               | 3123000101 |
| 100 – 1,000 µL, blue, ACT                                                                                                              | 3123000063 |
| <b>Eppendorf Research<sup>®</sup> plus</b> , 1-channel, variable, incl. epT.I.P.S. <sup>®</sup> 2.5 mL sample bag with 10 pipette tips |            |
| 0.25 – 2.5 mL, red, ACT                                                                                                                | 3123000144 |
| <b>Eppendorf Research<sup>®</sup> plus</b> , 1-channel, variable, incl. epT.I.P.S. <sup>®</sup> 5 mL sample bag with 10 pipette tips   |            |
| 0.5 – 5 mL, violet, ACT                                                                                                                | 3123000071 |
| <b>Eppendorf Research<sup>®</sup> plus</b> , 1-channel, variable, incl. epT.I.P.S. <sup>®</sup> 10 mL sample bag with 10 pipette tips  |            |
| 1 – 10 mL, turquoise, ACT                                                                                                              | 3123000080 |

## Order information

| Description                                                                                                                  | Order no.  |
|------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Research<sup>®</sup> plus</b> , 8-channel, variable, incl. epT.I.P.S. <sup>®</sup> Box 2.0 with 96 pipette tips |            |
| 0.5 – 10 µL, medium gray                                                                                                     | 3125000010 |
| 10 – 100 µL, yellow                                                                                                          | 3125000036 |
| 30 – 300 µL, orange                                                                                                          | 3125000052 |
| <b>Eppendorf Research<sup>®</sup> plus</b> , 8-channel, variable                                                             |            |
| 120 – 1,200 µL, dark green                                                                                                   | 3125000214 |

## Order information

| Description                                                                                                                   | Order no.  |
|-------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Research<sup>®</sup> plus</b> , 12-channel, variable, incl. epT.I.P.S. <sup>®</sup> Box 2.0 with 96 pipette tips |            |
| 0.5 – 10 µL, medium gray                                                                                                      | 3125000028 |
| 10 – 100 µL, yellow                                                                                                           | 3125000044 |
| 30 – 300 µL, orange                                                                                                           | 3125000060 |
| <b>Eppendorf Research<sup>®</sup> plus</b> , 12-channel, variable                                                             |            |
| 120 – 1,200 µL, dark green                                                                                                    | 3125000222 |

## Order information

| Description                                                                                                 | Order no.  |
|-------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Research<sup>®</sup> plus</b>                                                                  |            |
| 16-channel, variable, incl. epT.I.P.S. <sup>®</sup> Box 2.0 with 384 pipette tips, 1 – 20 µL, light pink    | 3125000079 |
| 16-channel, variable, incl. epT.I.P.S. <sup>®</sup> Box 2.0 with 384 pipette tips, 5 – 100 µL, light yellow | 3125000095 |

## Order information

| Description                                                                                                 | Order no.  |
|-------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Research<sup>®</sup> plus</b>                                                                  |            |
| 24-channel, variable, incl. epT.I.P.S. <sup>®</sup> Box 2.0 with 384 pipette tips, 1 – 20 µL, light pink    | 3125000087 |
| 24-channel, variable, incl. epT.I.P.S. <sup>®</sup> Box 2.0 with 384 pipette tips, 5 – 100 µL, light yellow | 3125000109 |



# Eppendorf Research® plus Multi-packs



Pipettes

## Order information

| Description                                                                                                                                                                      | Order no.  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Research® plus, 3-pack</b> , 1-channel, variable, incl. 3x epT.I.P.S.® Box 2.0 (x 96 pipette tips) and ballpoint pen                                                |            |
| <b>Option 1:</b> 0.5 – 10 µL, 10 – 100 µL, 100 – 1,000 µL                                                                                                                        | 3123000900 |
| <b>Option 2:</b> 2 – 20 µL yellow, 20 – 200 µL, 100 – 1,000 µL                                                                                                                   | 3123000918 |
| <b>Eppendorf Research® plus, 3-pack</b> , 1-channel, variable, incl. 1x epT.I.P.S.® Box 2.0 (x 96 pipette tips), 2x epT.I.P.S. sample bags (x 10 pipette tips) and ballpoint pen |            |
| <b>Option 3:</b> 100 – 1,000 µL, 0.5 – 5 mL, 1 – 10 mL                                                                                                                           | 3123000926 |
| <b>Eppendorf Research® plus, 6-pack with Pipette Carousel 2</b> , 1-channel, variable, incl. Pipette Carousel 2, 6x epT.I.P.S.® Box 2.0 (x 96 pipette tips) and ballpoint pen    |            |
| 0.1 – 2.5 µL, 0.5 – 10 µL, 2 – 20 µL (yellow), 10 – 100 µL, 20 – 200 µL, 100 – 1,000 µL                                                                                          | 3123000942 |

## Accessories

| Description                                                                                                                                                                      | Order no.  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Reagent reservoir Tip-Tub</b> , autoclavable reservoir for multi-channel pipetting, 1 set = 10 reservoirs and 10 lids                                                         | 0030058607 |
| <b>Grease for pipettes</b> , incl. lint-free applicators, to relubricate the piston or cylinder in pipette lower parts                                                           | 0013022153 |
| <b>Protection filter set</b> , 2.5 mL, for Eppendorf Research® plus, Reference® 2 and Xplorer® (plus), 10 filters with 1 filter sleeve, for 2.5 mL pipettes, color code: red     | 4920622009 |
| <b>Protection filter set</b> , 5 mL, for Eppendorf Research® plus, Reference® 2 and Xplorer® (plus), 10 filters with 1 filter sleeve, for 5 mL pipettes, color code: violet      | 4920623005 |
| <b>Protection filter set</b> , 10 mL, for Eppendorf Research® plus, Reference® 2 and Xplorer® (plus), 10 filters with 1 filter sleeve, for 10 mL pipettes, color code: turquoise | 4920624001 |
| <b>Safety plug tools</b> , for Eppendorf Research® plus, to change the factory adjustment, 5 pcs.                                                                                | 3120639004 |
| <b>Adjustment tool</b> , for Eppendorf Research® plus and Reference® 2, to change factory or temporary adjustment                                                                | 3120633006 |
| <b>Adjustment seal ADJ</b> , for Eppendorf Research® plus, red, 5 pcs.                                                                                                           | 3120636005 |
| <b>Pipette wrench 2 mL – 10 mL</b> , to open single-channel pipette lower parts from 2 mL - 10 mL                                                                                | 3120634002 |
| <b>Multi-channel tool</b> , for cutting the O-rings on tip cones of multi-channel pipettes, for 5 – 100 µL or 15 – 300 µL pipettes                                               | 3122610003 |
| <b>Multi-channel tool</b> , for cutting the O-rings on tip cones of multi-channel pipettes, for 50 – 1,200 µL pipettes                                                           | 4860736000 |
| <b>Unlocking tool</b> , to open multi-channel lower parts of 1,200 µL pipettes                                                                                                   | 4861605006 |
| <b>Locking ring for single-channel pipettes</b> , to prevent spring action in single-channel pipettes, for pipettes from 2.5 µL – 1,000 µL                                       | 3120635009 |
| <b>Locking clip for 8-channel pipettes</b> , to prevent spring action in multi-channel pipettes, 2 pieces                                                                        | 3122612006 |
| <b>Locking clip for 12-channel pipettes</b> , to prevent spring action in multi-channel pipettes, 3 pieces                                                                       | 3122613002 |
| <b>O-ring</b> , red, for multi-channel pipette lower parts, 5 – 100 µL, 15 – 300 µL (1 set = 24 pcs)                                                                             | 3122611000 |
| <b>O-ring</b> , red, for multi-channel pipette lower parts, 50 – 1,200 µL (1 set = 24 pcs)                                                                                       | 4860716009 |
| <b>Lower part made of PTFE (higher chemical resistance)</b>                                                                                                                      |            |
| for Eppendorf Research® plus, single-channel, 0.5 – 5 mL, color code: violet, incl. dark grey ejector sleeve                                                                     | 3120642005 |
| for Eppendorf Research® plus, single-channel, 100 – 1,000 µL, color code: blue, incl. dark grey ejector sleeve                                                                   | 3120641009 |
| for Eppendorf Research® plus, single-channel, 1 – 10 mL, color code: turquoise, incl. dark grey ejector sleeve                                                                   | 3120646000 |



# Eppendorf Reference® 2

## A premium pipette that delivers extraordinary precision and accuracy

Choose the Eppendorf Reference 2 mechanical pipette with ergonomic single-button operation and benefit from its high precision and accuracy with reduced operating efforts. Its smooth surface and full autoclavability guarantee efficient decontamination - making it the ideal companion when working under sterile conditions. Available as a single-channel pipette in fixed or variable volume, and as 8- and 12-channel pipettes - all with time-saving single-button operation. Once you have experienced this unique operating philosophy you will not want to change back!



DESIGN  
AWARD

\* Golden Pin Design  
Award Winner 2017



### Product features

- Mechanical air-cushion pipette with outstanding precision and accuracy - operated with just one button for volume selection, pipetting and tip ejection
- With its innovative one-button operation, the Reference 2 allows fast and ergonomic handling with reduced operating efforts and active aerosol reduction. A clear haptic feedback helps to avoid accidental tip ejection
- 4-digit display with magnifying window for quick and secure volume setting and identification (clearly visible from every angle), incl. volume lock



### An ideal companion when sterility matters

The Reference 2 pipette is easily disassembled, fully autoclavable, and features a smooth housing with minimal cavities, making it ideal for sterile environments

### Exquisite stainless steel upper part

Equips the Reference 2 with outstanding robustness at potential impact sites. It includes quick volume setting and a secure volume lock.



# Eppendorf Reference® 2

## Order information

| Description                                     |                                                                                     | Order no.  |
|-------------------------------------------------|-------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Reference® 2, 1-channel, fixed</b> |                                                                                     |            |
| 1 µL, dark gray                                 |  | 4925000014 |
| 2 µL, dark gray                                 |  | 4925000022 |
| 5 µL, medium gray                               |  | 4925000030 |
| 10 µL, medium gray                              |  | 4925000049 |
| 10 µL, yellow                                   |  | 4925000057 |
| 20 µL, light gray                               |                                                                                     | 4925000065 |
| 20 µL, yellow                                   |  | 4925000073 |
| 25 µL, yellow                                   |  | 4925000081 |
| 50 µL, yellow                                   |  | 4925000090 |
| 100 µL, yellow                                  |  | 4925000103 |
| 200 µL, yellow                                  |  | 4925000111 |
| 200 µL, blue                                    |  | 4925000120 |
| 250 µL, blue                                    |  | 4925000138 |
| 500 µL, blue                                    |  | 4925000146 |
| 1,000 µL, blue                                  |  | 4925000154 |
| 2 mL, red                                       |  | 4925000162 |
| 2.5 mL, red                                     |  | 4925000170 |

## Order information

| Description                                                                                                  |                                                                                       | Order no.  |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Reference® 2, 1-channel, variable, incl. epT.I.P.S.® Box 2.0 with 96 pipette tips</b>           |                                                                                       |            |
| 0.1 – 2.5 µL, dark gray                                                                                      |  | 4924000010 |
| 0.5 – 10 µL, medium gray                                                                                     |  | 4924000029 |
| 2 – 20 µL, light gray                                                                                        |                                                                                       | 4924000037 |
| 2 – 20 µL, yellow                                                                                            |  | 4924000045 |
| 10 – 100 µL, yellow                                                                                          |  | 4924000053 |
| 20 – 200 µL, yellow                                                                                          |  | 4924000061 |
| 30 – 300 µL, orange                                                                                          |  | 4924000070 |
| 100 – 1,000 µL, blue                                                                                         |  | 4924000088 |
| <b>Eppendorf Reference® 2, 1-channel, variable, incl. epT.I.P.S.® 2.5 mL sample bag with 10 pipette tips</b> |                                                                                       |            |
| 0.25 – 2.5 mL, red                                                                                           |  | 4924000096 |
| <b>Eppendorf Reference® 2, 1-channel, variable, incl. epT.I.P.S.® 5 mL sample bag with 10 pipette tips</b>   |                                                                                       |            |
| 0.5 – 5 mL, violet                                                                                           |  | 4924000100 |
| <b>Eppendorf Reference® 2, 1-channel, variable, incl. epT.I.P.S.® 10 mL sample bag with 10 pipette tips</b>  |                                                                                       |            |
| 1 – 10 mL, turquoise                                                                                         |  | 4924000118 |

## Order information

| Description                                                                                         |                                                                                       | Order no.  |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Reference® 2, 8-channel, variable, incl. epT.I.P.S.® Box 2.0 with 96 pipette tips</b>  |                                                                                       |            |
| 0.5 – 10 µL, medium gray                                                                            |  | 4926000018 |
| 10 – 100 µL, yellow                                                                                 |  | 4926000034 |
| 30 – 300 µL, orange                                                                                 |  | 4926000050 |
| <b>Eppendorf Reference® 2, 12-channel, variable, incl. epT.I.P.S.® Box 2.0 with 96 pipette tips</b> |                                                                                       |            |
| 0.5 – 10 µL, medium gray                                                                            |  | 4926000026 |
| 10 – 100 µL, yellow                                                                                 |  | 4926000042 |
| 30 – 300 µL, orange                                                                                 |  | 4926000069 |





# Eppendorf Reference® 2 Multi-packs



Pipettes

## Order information

| Description                                                                                                                                                                    | Order no.                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>Eppendorf Reference® 2, 3-pack</b> , 1-channel, variable, incl. 3x epT.I.P.S.® Box 2.0 (x 96 pipette tips) and ballpoint pen                                                |                            |
| <b>Option 1:</b> 0.5 – 10 µL, 10 – 100 µL, 100 – 1,000 µL                                                                                                                      | <a href="#">4924000908</a> |
| <b>Option 2:</b> 2 – 20 µL yellow, 20 – 200 µL, 100 – 1,000 µL                                                                                                                 | <a href="#">4924000916</a> |
| <b>Eppendorf Reference® 2, 3-pack</b> , 1-channel, variable, incl. 1x epT.I.P.S.® Box 2.0 (x 96 pipette tips), 2x epT.I.P.S. sample bags (x 10 pipette tips) and ballpoint pen |                            |
| <b>Option 3:</b> 100 – 1,000 µL, 0.5 – 5 mL, 1 – 10 mL                                                                                                                         | <a href="#">4924000924</a> |
| <b>Eppendorf Reference® 2, 6-pack with Pipette Carousel 2</b> , 1-channel, variable, incl. Pipette Carousel 2, 6x epT.I.P.S.® Box 2.0 (x 96 pipette tips) and ballpoint pen    |                            |
| 0.1 – 2.5 µL, 0.5 – 10 µL, 2 – 20 µL (yellow), 10 – 100 µL, 20 – 200 µL, 100 – 1,000 µL                                                                                        | <a href="#">4924000940</a> |

## Accessories

| Description                                                                                                                                                                      | Order no.                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>Reagent reservoir Tip-Tub</b> , autoclavable reservoir for multi-channel pipetting, 1 set = 10 reservoirs and 10 lids                                                         | <a href="#">0030058607</a> |
| <b>Grease for pipettes</b> , incl. lint-free applicators, to relubricate the piston or cylinder in pipette lower parts                                                           | <a href="#">0013022153</a> |
| <b>Protection filter set</b> , 2.5 mL, for Eppendorf Research® plus, Reference® 2 and Xplorer® (plus), 10 filters with 1 filter sleeve, for 2.5 mL pipettes, color code: red     | <a href="#">4920622009</a> |
| <b>Protection filter set</b> , 5 mL, for Eppendorf Research® plus, Reference® 2 and Xplorer® (plus), 10 filters with 1 filter sleeve, for 5 mL pipettes, color code: violet      | <a href="#">4920623005</a> |
| <b>Protection filter set</b> , 10 mL, for Eppendorf Research® plus, Reference® 2 and Xplorer® (plus), 10 filters with 1 filter sleeve, for 10 mL pipettes, color code: turquoise | <a href="#">4920624001</a> |
| <b>Adjustment seal ADJ, red</b> , for Eppendorf Reference® 2, incl. pin for removing the inserted seal, 1 set = 5 pieces                                                         | <a href="#">4920626004</a> |
| <b>Safety plug, red</b> , for Eppendorf Reference® 2, incl. pin for removing the inserted safety plug, 1 set = 5 pieces                                                          | <a href="#">4920625008</a> |
| <b>Adjustment tool</b> , for Eppendorf Research® plus and Reference® 2, to change factory or temporary adjustment                                                                | <a href="#">3120633006</a> |
| <b>Pipette wrench 2 mL – 10 mL</b> , to open single-channel pipette lower parts from 2 mL - 10 mL                                                                                | <a href="#">3120634002</a> |
| <b>Multi-channel tool</b> , for cutting the O-rings on tip cones of multi-channel pipettes, for 5 – 100 µL or 15 – 300 µL pipettes                                               | <a href="#">3122610003</a> |
| <b>Lower part made of PTFE (higher chemical resistance)</b>                                                                                                                      |                            |
| for Eppendorf Reference® 2, single-channel, 100 – 1,000 µL, color code: blue, incl. dark grey ejector sleeve                                                                     | <a href="#">4920627000</a> |
| for Eppendorf Reference® 2, fixed, single-channel, 2 mL, color code: red, incl. dark grey ejector sleeve                                                                         | <a href="#">4921610004</a> |
| for Eppendorf Reference® 2, single-channel, 0.25 – 2.5 mL, color code: red, incl. dark grey ejector sleeve                                                                       | <a href="#">4920629003</a> |
| for Eppendorf Reference® 2, single-channel, 0.5 – 5 mL, color code: violet, incl. dark grey ejector sleeve                                                                       | <a href="#">4920633000</a> |
| for Eppendorf Reference® 2, single-channel, 1 – 10 mL, color code: turquoise, incl. dark grey ejector sleeve                                                                     | <a href="#">4920636000</a> |
| <b>Locking ring for single-channel pipettes</b> , to prevent spring action in single-channel pipettes, for pipettes from 2.5 µL – 1,000 µL                                       | <a href="#">3120635009</a> |
| <b>O-ring, red</b> , for multi-channel pipette lower parts, 5 – 100 µL, 15 – 300 µL (1 set = 24 pcs)                                                                             | <a href="#">3122611000</a> |



# Eppendorf Xplorer®/Eppendorf Xplorer® plus

**Simple, fast and precise with untiring battery power – You deserve it!** People who give 100 % every day deserve the best tools and the best laboratory equipment. The Eppendorf Xplorer and Xplorer plus electronic pipettes are single-, 8-, 12-, 16- and 24-channel pipettes designed to aspirate and dispense liquid volumes from 0.5 µL to 10 mL, while eliminating many of the potential error risks associated with manual pipetting. With the Eppendorf Xplorer/Xplorer plus electronic pipette, your work achieves a new level of simplicity, precision and reproducibility. Also available as Move It® adjustable tip spacing multichannel pipette (see page 32).

## Product features

- Electronic air-cushion pipette reaching new levels of simplicity, precision and reproducibility
- Intuitive handling via multi-function rocker with »up is up« (aspiration) and »down is down« (dispensing) logic and selection dial to access all pipetting modes
- Self-explanatory color display without cluttered submenus and with ergonomic viewing angle for optimal readability in every position

## Applications

- Automated pipetting of liquids (**Pip**) for forward pipetting
- Manual pipetting (**Man**) for volume determination
- Pipetting and mixing (**P/M**) for automated mixing of samples
- Dispensing (**Dis**) for manual filling of plates, gels, and reaction vessels
- Automatic dispensing (**Ads**) for automated filling of plates, gels, and reaction vessels
- Multi aspiration (**Spc**): Pooling supernatants from different vessels<sup>1)</sup>
- Sequential dispensing and pipetting (**Spc**) for user-defined volume steps<sup>1)</sup>
- Reverse pipetting (**Spc**) for non-aqueous solutions<sup>1)</sup>
- Diluting (**Spc**) for preparation of dilution series<sup>1)</sup>
- Fix volume (**Fix**): Save up to 10 volumes for ease of operation<sup>1)</sup>

<sup>1)</sup> Xplorer plus only





# Eppendorf Xplorer®

## Order information

| Description                            | Order no.                  |
|----------------------------------------|----------------------------|
| <b>Eppendorf Xplorer®</b> , 1-channel  |                            |
| 0.5 – 10 µL, medium gray, ACT          | <a href="#">4861000015</a> |
| 1 – 20 µL, light gray, ACT             | <a href="#">4861000017</a> |
| 5 – 100 µL, yellow, ACT                | <a href="#">4861000023</a> |
| 10 – 200 µL, yellow, ACT               | <a href="#">4861000027</a> |
| 15 – 300 µL, orange, ACT               | <a href="#">4861000031</a> |
| 50 – 1,000 µL, blue, ACT               | <a href="#">4861000040</a> |
| 0.1 – 2.5 mL, red, ACT                 | <a href="#">4861000044</a> |
| 0.2 – 5 mL, violet, ACT                | <a href="#">4861000058</a> |
| 0.5 – 10 mL, turquoise, ACT            | <a href="#">4861000066</a> |
| <b>Eppendorf Xplorer®</b> , 8-channel  |                            |
| 0.5 – 10 µL, medium gray               | <a href="#">4861000104</a> |
| 5 – 100 µL, yellow                     | <a href="#">4861000120</a> |
| 15 – 300 µL, orange                    | <a href="#">4861000147</a> |
| 50 – 1,200 µL, green                   | <a href="#">4861000163</a> |
| <b>Eppendorf Xplorer®</b> , 12-channel |                            |
| 0.5 – 10 µL, medium gray               | <a href="#">4861000112</a> |
| 5 – 100 µL, yellow                     | <a href="#">4861000139</a> |
| 15 – 300 µL, orange                    | <a href="#">4861000155</a> |
| 50 – 1,200 µL, green                   | <a href="#">4861000171</a> |

Pipettes

# Eppendorf Xplorer® plus

## Order information

| Description                                           | Order no.                  |
|-------------------------------------------------------|----------------------------|
| <b>Eppendorf Xplorer® plus</b> , 1-channel            |                            |
| 0.5 – 10 µL, medium gray, ACT                         | <a href="#">4861000708</a> |
| 1 – 20 µL, light gray, ACT                            | <a href="#">4861000710</a> |
| 5 – 100 µL, yellow, ACT                               | <a href="#">4861000716</a> |
| 10 – 200 µL, yellow, ACT                              | <a href="#">4861000720</a> |
| 15 – 300 µL, orange, ACT                              | <a href="#">4861000724</a> |
| 50 – 1,000 µL, blue, ACT                              | <a href="#">4861000732</a> |
| 0.1 – 2.5 mL, red, ACT                                | <a href="#">4861000736</a> |
| 0.2 – 5 mL, violet, ACT                               | <a href="#">4861000740</a> |
| 0.5 – 10 mL, turquoise, ACT                           | <a href="#">4861000759</a> |
| <b>Eppendorf Xplorer® plus</b> , 8-channel, variable  |                            |
| 0.5 – 10 µL, medium gray                              | <a href="#">4861000767</a> |
| 5 – 100 µL, yellow                                    | <a href="#">4861000783</a> |
| 15 – 300 µL, orange                                   | <a href="#">4861000805</a> |
| 50 – 1,200 µL, green                                  | <a href="#">4861000821</a> |
| <b>Eppendorf Xplorer® plus</b> , 12-channel, variable |                            |
| 0.5 – 10 µL, medium gray                              | <a href="#">4861000775</a> |
| 5 – 100 µL, yellow                                    | <a href="#">4861000791</a> |
| 15 – 300 µL, orange                                   | <a href="#">4861000813</a> |
| 50 – 1,200 µL, green                                  | <a href="#">4861000830</a> |



# Eppendorf Xplorer® plus

## Order information

| Description                                           | Order no.  |
|-------------------------------------------------------|------------|
| <b>Eppendorf Xplorer® plus</b> , 16-channel, variable |            |
| 1 – 20 µL, light pink                                 | 4861000778 |
| 5 – 100 µL, light yellow                              | 4861000792 |

## Order information

| Description                                           | Order no.  |
|-------------------------------------------------------|------------|
| <b>Eppendorf Xplorer® plus</b> , 24-channel, variable |            |
| 1 – 20 µL, light pink                                 | 4861000779 |
| 5 – 100 µL, light yellow                              | 4861000793 |

## Accessories

| Description                                                                                                                                      | Order no.  |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Reagent reservoir Tip-Tub</b> , autoclavable reservoir for multi-channel pipetting, 1 set = 10 reservoirs and 10 lids                         | 0030058607 |
| <b>Lithium polymer rechargeable battery</b> , for Eppendorf Xplorer® pipette family                                                              | 4861601000 |
| <b>Grease for pipettes</b> , incl. lint-free applicators, to relubricate the piston or cylinder in pipette lower parts                           | 0013022153 |
| <b>Power supply with plug adapters</b> , for Eppendorf pipettes, multi-dispensers, pipette controllers and charging stand, 100 – 240 VAC / 5 VDC | 4986603005 |
| <b>Pipette wrench 2 mL – 10 mL</b> , to open single-channel pipette lower parts from 2 mL - 10 mL                                                | 3120634002 |
| <b>Multi-channel tool</b> , for cutting the O-rings on tip cones of multi-channel pipettes, for 5 – 100 µL or 15 – 300 µL pipettes               | 3122610003 |
| <b>Multi-channel tool</b> , for cutting the O-rings on tip cones of multi-channel pipettes, for 50 – 1,200 µL pipettes                           | 4860736000 |
| <b>Unlocking tool</b> , to open multi-channel lower parts of 1,200 µL pipettes                                                                   | 4861605006 |
| <b>Locking ring for single-channel pipettes</b> , to prevent spring action in single-channel pipettes, for pipettes from 2.5 µL – 1,000 µL       | 3120635009 |
| <b>Locking clip for 8-channel pipettes</b> , to prevent spring action in multi-channel pipettes, 2 pieces                                        | 3122612006 |
| <b>Locking clip for 12-channel pipettes</b> , to prevent spring action in multi-channel pipettes, 3 pieces                                       | 3122613002 |
| <b>O-ring</b> , red, for multi-channel pipette lower parts, 5 – 100 µL, 15 – 300 µL (1 set = 24 pcs)                                             | 3122611000 |
| <b>O-ring</b> , red, for multi-channel pipette lower parts, 50 – 1,200 µL (1 set = 24 pcs)                                                       | 4860716009 |



# Eppendorf Pipette Holder System

## Well within reach: the Eppendorf Pipette Holder System helps you to organize your lab

Save valuable bench space with the Eppendorf Pipette Holder System! With space for up to six single- or multi-channel pipettes, you can easily store all of your Eppendorf pipettes and multi-dispensers within easy reach. Our flexible carousels, stands and wall mount devices fit current Eppendorf manual liquid handling instruments as well as most of their predecessors.

New

Pipettes



- Pipette Carousel 2: Rotatable holder for six mechanical pipettes

- Charger Carousel 2: Carousel with intelligent charging electronics, capacity for up to six instruments (charges four instruments at a time and all six in turn) and magnetic power connector for fast and easy connection



- With Charger Stand 2, the Eppendorf Xplorer®/Xplorer plus or Multipipette® E3/E3x is always fully charged and ready for use.
- Pipette Stand 2 carries one pipette or multi-dispenser
- Large rubber feet protect stands and carousels from liquids spilled on lab bench
- Charger Stand 2 with cord wrap functionality for more convenience



New



Pipettes



DESIGN  
AWARD

\* Golden Pin Design  
Award Winner 2017



reddot award 2018  
winner

- Place your pipette and Multipette where you need them: Mounted to a wall, on the shelf above your bench or inside a biological safety cabinet
- Pictograms on the reversible holders allow for easy assignment of pipettes to their respective holder

### Order information

|     | Description                                                                                                                                                                                                                                                                      | Order no.  |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| New | <b>Pipette Carousel 2, white</b> , with 6 holders for Eppendorf Research® 3 pipettes, additional pipette holders, compatible with other Eppendorf pipettes and dispensers, are sold separately                                                                                   | 3116000236 |
|     | <b>Pipette Carousel 2</b> , with 6 holders for Eppendorf Research®, Research plus, Reference, Reference 2, Biomaster® pipettes or epMotion® Tip Tools, additional pipette holders, compatible with other Eppendorf pipettes and dispensers, are sold separately                  | 3116000015 |
|     | <b>Charger Carousel 2</b> , with 6 charger shells for Eppendorf Xplorer®, Xplorer plus or Xplorer plus Move It® electronic pipettes and mains/power adapter, additional charger shells and holders, compatible with other Eppendorf pipettes and dispensers, are sold separately | 3116000023 |
|     | <b>Charger Stand 2</b> , with charger shell for one Eppendorf Xplorer®, Xplorer plus or Xplorer plus Move It® electronic pipette, operated with mains/power adapter supplied with Eppendorf electronic pipettes and dispensers                                                   | 3116000031 |
|     | <b>Charger Stand 2</b> , with charger shell for one Multipette® E3/E3x or Multipette® stream/Xstream electronic multi-dispenser, operated with mains/power adapter supplied with Eppendorf electronic pipettes and dispensers                                                    | 3116000040 |
|     | <b>Pipette Stand 2</b> , with pipette holder for one Multipette® M4 multi-dispenser, without charging function, additional pipette holders, compatible with other Eppendorf pipettes and dispensers, are sold separately                                                         | 3116000058 |
| New | <b>Pipette Holder 2, white</b> , for one Eppendorf Research® 3 pipette, for Pipette Carousel 2, Charger Carousel 2, Pipette Stand 2 or wall mounting, sticky tape included                                                                                                       | 3116000295 |
|     | <b>Pipette Holder 2</b> , for one Multipette® E3/E3x or Multipette stream/Xstream electronic multi-dispenser, for Pipette Carousel 2, Charger Carousel 2, Pipette Stand 2 or wall mounting, sticky tape included, without charging function                                      | 3116000139 |
|     | <b>Pipette Holder 2</b> , for one Eppendorf Research®, Research plus, Eppendorf Reference®, Reference 2, Biomaster® pipette or epMotion® Tip Tool, for Pipette Carousel 2, Charger Carousel 2, Pipette Stand 2 or wall mounting, sticky tape included, without charging function | 3116000112 |
|     | <b>Pipette Holder 2</b> , for one Eppendorf Xplorer®, Xplorer plus or Xplorer plus Move It® electronic pipette, for Pipette Carousel 2, Charger Carousel 2, Pipette Stand 2 or wall mounting, sticky tape included, without charging function                                    | 3116000120 |
|     | <b>Pipette Holder 2</b> , for one Multipette® M4 multi-dispenser, for Pipette Carousel 2, Charger Carousel 2, Pipette Stand 2 or wall mounting, sticky tape included, without charging function                                                                                  | 3116000147 |
|     | <b>Charger Shell 2</b> , for one Eppendorf Xplorer®, Xplorer plus or Xplorer plus Move It® electronic pipette, for Charger Carousel 2 or Charger Stand 2, with charging function                                                                                                 | 3116602007 |
|     | <b>Charger Shell 2</b> , for one Multipette® E3/E3x or Multipette® stream/Xstream electronic multi-dispenser, for Charger Carousel 2 or Charger Stand 2, with charging function                                                                                                  | 3116603003 |



# Multipette® M4



### Aspirate liquid once and dispense up to 100 times without tip refill

Say goodbye to tedious, time-consuming serial pipetting! The Multipette M4 pipette from Eppendorf is our ideal solution for repetitive dispensing tasks in long series, eliminating the need for repeated liquid aspiration. In combination with Combitips® advanced dispenser tips, even viscous or volatile liquids that are difficult to pipette are no problem for the Multipette. With hermetically sealed tips, the system also offers a high level of safety for handling of infectious, toxic or radioactive liquids.

### Product features

- Mechanical positive displacement multi-dispenser: fill the tip once and dispense up to 100 times without a refill
- Automatic Combitips® advanced dispenser tip recognition eliminates time-consuming volume calculations
- Easy-to-read display guarantees stress-free and intuitive operation with a digital display of the dispensing volume

### Applications

- Repetitive dispensing of volumes in long series such as tube or plate filling, aliquoting reagents and kit usage
- Safe dispensing of toxic, radioactive and other hazardous liquids
- Precise and accurate dispensing of viscous solutions (e.g. glycerol) or liquids with high vapor pressure (e.g. ethanol)

Pipettes

| Order information                                                                                                                                                                               |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Description                                                                                                                                                                                     | Order no.  |
| <b>Multipette® M4</b> , 1-channel, incl. 1x Combitips® advanced 2.5 mL (green) tip and Pipette Holder 2, 1 µL – 10 mL, ACT                                                                      | 4982000012 |
| <b>Multipette® M4 Starter Kit</b> , 1-channel, incl. Combitips® advanced Box 2.0, Combitips® advanced assortment pack (1 tip of each size) and Pipette Holder 2, 1 µL – 10 mL                   | 4982000314 |
| <b>Pipette Holder 2</b> , for one Multipette® M4 multi-dispenser, for Pipette Carousel 2, Charger Carousel 2, Pipette Stand 2 or wall mounting, sticky tape included, without charging function | 3116000147 |
| <b>Battery CR2032</b> , for Multipette® M4, 1 piece                                                                                                                                             | 4980215003 |





# Multipette® E3/Multipette® E3x



**Precise, safe, versatile and a dream to use over a long pipetting day!** These electronic dispensers combine easy handling during dispensing with a broad range of features! The Multipette E3x dispenser offers additional high-end applications, such as titration and aspirating of supernatants or sequential dilutions. In combination with the Combitips® advanced pipette tips, it is an essential lab tool for broad variety of liquid handling applications of liquid handling.

## Product features

- Electronic positive displacement dispenser with several functions e.g. for dilution series, titration, automatic dispensing into microplates and vessel series
- Automatic Combitips® advanced pipette tip recognition: Eliminates time-consuming volume calculations, avoiding incorrect dispensing volumes
- Positive displacement principle: Precise, accurate and contamination-free dispensing of viscous solutions (e.g. glycerol), liquids with high vapor pressure (e.g. ethanol) or toxic, radioactive and other hazardous samples

## Applications

- Dispensing (**Dis**) or Automatic dispensing (**Ads**) for repetitive (automated) dispensing of set volumes in long series such as tube or plate filling, aliquoting reagents and kit usage
- Pipetting (**Pip**) for refilling of liquids
- Sequential dispensing (**Seq**) to create dilution series<sup>1)</sup>
- Aspiration (**Asp**) for pooling of supernatants from different vessels<sup>1)</sup>
- Aspirate and dispensing (**A/D**) for pooling and volume determination with subsequent dispensing<sup>1)</sup>
- Titration (**Ttr**) for controlled dropwise dispensing and concentration determination<sup>1)</sup>

<sup>1)</sup> Multipette® E3x only

## Order information

| Description                                                                                                                                                                                                                                  | Order no.  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Multipette® E3</b> , 1-channel, incl. charging cable and Combitips® advanced assortment pack (1 tip of each size), 1 µL – 50 mL, ACT                                                                                                      | 4987000010 |
| <b>Multipette® E3 bundle with charger stand</b> , 1-channel, incl. charging cable, Charger Stand 2 and Combitips® advanced assortment pack (1 tip of each size), 1 µL – 50 mL, ACT                                                           | 4987000371 |
| <b>Multipette® E3x</b> , 1-channel, incl. charging cable and Combitips® advanced assortment pack (1 tip of each size), 1 µL – 50 mL, ACT                                                                                                     | 4987000029 |
| <b>Multipette® E3x bundle with charger stand</b> , 1-channel, incl. charging cable, Charger Stand 2 and Combitips® advanced assortment pack (1 tip of each size), 1 µL – 50 mL, ACT                                                          | 4987000380 |
| <b>Pipette Holder 2</b> , for one Multipette® E3/E3x or Multipette® stream/Xstream electronic multi-dispenser, for Pipette Carousel 2, Charger Carousel 2, Pipette Stand 2 or wall mounting, sticky tape included, without charging function | 3116000139 |
| <b>Lithium ion rechargeable battery</b> , for Multipette® E3/E3x and Multipette (X)stream                                                                                                                                                    | 4986602009 |
| <b>Power supply with plug adapters</b> , for Eppendorf pipettes, multi-dispensers, pipette controllers and charging stand, 100 – 240 VAC / 5 VDC                                                                                             | 4986603005 |



# Combitips® advanced



## Description

Optimize your workflows involving plates or large series of other vessels with Combitips advanced dispenser tips and accurately and precisely pipette both viscous and volatile liquids. These positive displacement pipette tips are your consumable of choice for all Multipipette® multi-dispenser pipettes from Eppendorf and offer a variety of advantages in comparison to their predecessor Combitips plus. Available in nine volume sizes (0.1 mL – 50 mL), Combitips advanced have a maximum range of dispensing volumes with increments as low as 100 nanoliters depending on the Multipipette model used.

## Product features

- Combitips® advanced tips are the dedicated consumable for all Multipipette® multi-dispenser pipettes from Eppendorf
- The 9 volume sizes (0.1 mL – 50 mL) offer a maximum range of dispensing volumes with increments as low as 100 nanoliters depending on the Combitips® advanced used
- Combitips® advanced are offered in four different purity grades to support a range of applications

## Applications

- Positive displacement dispenser tips (syringe tips) for use with Multipipette® hand dispensers
- High-precision dispensing regardless of the physical properties of the liquid (like e.g. viscosity, volatility, density or temperature)
- Prevents aerosol contamination with hermetically sealed piston for secure dispensing
- Provides protection from radioactive and toxic substances
- Quick dispensing of long series with precise, repeated dispensing of identical volumes (with Multipipette® hand dispensers)

# ViscoTip®



## Easily master the highest viscosity liquids with your Multipipette® from Eppendorf!

The latest member of the Combitips® advanced dispenser tip family, ViscoTip positive displacement tips, are specifically designed and optimized for handling high viscosity liquids up to 14,000 mPa\*s such as glycerol 99.5 %, Tween®, oils, creams, shampoos, nail polish - even honey. So, if you need to dispense high viscosity liquids and you want to do it with ease, turn to ViscoTip.

## Product features

- Specialized for liquids with a dynamic viscosity from 200 mPa\*s to 14,000 mPa\*s
- For dispensing volumes from 100 µL to 10 mL in increments of 10 µL
- Make life easier for your instrument: The new design of the tip means significantly lower operation forces are used, thus it speeds up work and reduces energy consumption

## Applications

- Positive displacement dispenser tips (syringe tips) for use with with Multipipette® hand dispensers
- For highly viscous liquids such as glycerol 99.5 %, Tween®, oils, creams, shampoos or honey
- Quick dispensing of long series with precise, repeated dispensing of identical volumes



## Order information

| Combitips® advanced | Color code | Eppendorf Quality<br>100 pcs.<br>(4 bags × 25 pcs.) | PCR clean<br>100 pcs. (4 reclosable<br>bags × 25 pcs.) | Biopur®<br>100 pcs.,<br>individually blister-<br>wrapped | Forensic DNA<br>Grade 100 pcs.,<br>individually<br>blister-wrapped |
|---------------------|------------|-----------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------|
| 0.1 mL              | white      | 0030089405                                          | 0030089766                                             | 0030089618                                               |                                                                    |
| 0.2 mL              | light blue | 0030089413                                          | 0030089774                                             | 0030089626                                               |                                                                    |
| 0.5 mL              | violet     | 0030089421                                          | 0030089782                                             | 0030089634                                               |                                                                    |
| 1.0 mL              | yellow     | 0030089430                                          | 0030089790                                             | 0030089642                                               | 0030089855                                                         |
| 2.5 mL              | green      | 0030089448                                          | 0030089804                                             | 0030089650                                               | 0030089863                                                         |
| 5.0 mL              | blue       | 0030089456                                          | 0030089812                                             | 0030089669                                               | 0030089871                                                         |
| 10 mL               | orange     | 0030089464                                          | 0030089820                                             | 0030089677                                               |                                                                    |
| 25 mL <sup>1)</sup> | red        | 0030089472                                          | 0030089839                                             | 0030089685                                               |                                                                    |
| 50 mL <sup>1)</sup> | light gray | 0030089480                                          | 0030089847                                             | 0030089693                                               |                                                                    |
| <b>ViscoTip®</b>    |            |                                                     |                                                        |                                                          |                                                                    |
| 10 mL               | orange     | 0030089502                                          |                                                        |                                                          |                                                                    |

## Accessories

## Adapter advanced

|                                                                                                                                                                 |            |            |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------|
| 25 mL, autoclavable, 1 piece                                                                                                                                    | red        | 0030089715 |            |
| 25 mL, autoclavable, 7 pcs., individually<br>blister-wrapped                                                                                                    | red        |            | 0030089731 |
| 50 mL, autoclavable, 1 piece                                                                                                                                    | light gray | 0030089723 |            |
| 50 mL, autoclavable, 7 pcs., individually<br>blister-wrapped                                                                                                    | light gray |            | 0030089740 |
| <b>Combitips® advanced Box 2.0</b> , empty box<br>for 8 Combitips® advanced (0.1 – 10 mL),<br>Eppendorf Quality, 1 piece                                        |            | 0030089952 |            |
| <b>Combitips® advanced Assortment Pack</b> ,<br>contains one Combitips® advanced sample<br>of each size and Adapter advanced 25 and<br>50 mL, Eppendorf Quality |            | 0030089936 |            |

<sup>1)</sup> 4 boxes of 25 pcs. each. Each box containing one adapter.



# Easypet® 3



## Experience total control with the Easypet 3

Looking to simplify your manual liquid handling tasks in cell culture and other applications? The Easypet 3 electronic pipette controller from Eppendorf gives you precision and complete speed control, making it ideal for serial dispensing and resuspending bacterial or cell pellets. Easypet 3 can be used with all types of serological and volumetric pipettes from volumes of 0.1 – 100 mL.

## Product features

- Electronic pipette controller designed for use with serological and volumetric pipettes
- Intuitive and convenient speed adjustment simply done with the tips of your fingers
- Lightweight, well-balanced and ergonomic design that allows for fatigue-free pipetting

## Applications

- Liquid handling with serological and volumetric pipettes from 0.1 – 100 mL
- Serial dispensing of aliquots of different volumes
- Resuspension of bacteria or cell pellets
- Aspiration of cell layer from e.g. Ficol<sup>®</sup> gradient

## Technical specifications

|                       |                                               |
|-----------------------|-----------------------------------------------|
| Model                 | Easypet® 3                                    |
| Pipetting type        | Air-cushion system                            |
| Channel type          | 1-channel                                     |
| Battery type          | Rechargeable lithium polymer                  |
| Weight                | 160 g                                         |
| Rechargeable battery  |                                               |
| Capacity              | 1,100 mAh/3.7 V                               |
| Charging time         | ~3 h                                          |
| Number of dispensings | ~2,000 (with a 25 mL pipette)                 |
| Operating mode        | Electronic                                    |
| Mains/power supply    |                                               |
| Input                 | 100 V – 240 V AC ± 10 %, 50 Hz – 60 Hz, 0.5 A |
| Output                | 5 V DC, 1.0 A                                 |

## Order information

| Description                                                                                                                         | Order no.  |
|-------------------------------------------------------------------------------------------------------------------------------------|------------|
| Easypet® 3, 1-channel, incl. mains/power supply device, wall mounting device, shelf stand, 2 membrane filters 0.45 µm, 0.1 – 100 mL | 4430000018 |
| Membrane filter, for Easypet® 3, 0.2 µm, sterile, 5 pcs.                                                                            | 4430606005 |
| Membrane filter, for Easypet® 3, 0.45 µm, sterile, 5 pcs.                                                                           | 4421601009 |
| Lithium polymer rechargeable battery, for Easypet® 3                                                                                | 4430605009 |



# Pipet Helper®



## The mechanical pipette aid that allows inexperienced users to work like experts!

Make liquid handling tasks easier than ever with the Pipet Helper mechanical pipette aid from Eppendorf. Streamline lab applications such as assay preparation, petrochemical sample transfer, and preparing buffers for chromatography and fluids for fermentation. Ensuring high-precision manual aspiration and dispensing of liquids, the Pipet Helper is perfect also for less experienced users.

### Product features

- Lightweight mechanical pipette controller with reduced operating force
- Easy maintenance and cleaning due to easy disassembly, few parts and fully autoclavable
- Comfortable working because of the good balance and pleasing material

### Order information

| Description                                                      | Order no.                  |
|------------------------------------------------------------------|----------------------------|
| Pipet Helper®, 1-channel, 0.1 – 100 mL                           | <a href="#">4423000010</a> |
| Membrane filter, for Pipet Helper®, 3 µm, non-sterile, 10 pieces | <a href="#">4423601014</a> |



# Eppendorf Top Buret



## Continuous and pulse-free manual titration

The innovative Eppendorf Top Buret sets new standards in manual liquid titration. Its pulse-free dispensing technique means that exact volumes can be dispensed continuously, making titration simple, safe and precise. And with a user-friendly display and simple control features, this extremely sturdy digital bottle-top burette is really easy to use.

## Product features

- Bottle-top burette with continuous, pulse-free dispensing technology for manual titration
- Digital display ranging from 0.01 mL to 999.9 mL, dosing rates: Model M: 2.5 mL per turn, Model H: 5 mL per turn
- Recirculation valve with valve lever

## Order information

| Description                                                                                                                                                                                                                                                                                                                  | Order no.  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Top Buret M</b> , manual bottle-top buret with discharge valve, telescopic aspiration tube and variable discharge tube, 2.5 mL per turn, digital display ranging from 0.01 – 999.9 mL, for 45 mm bottle thread, incl. 3 PP adapters for 40/38/32 mm threads, 2 micro batteries 1.5 V, certificate of conformity | 4965000017 |
| <b>Eppendorf Top Buret H</b> , manual bottle-top buret with discharge valve, telescopic aspiration tube and variable discharge tube, 5 mL per turn, digital display ranging from 0.01 – 999.9 mL, for 45 mm bottle thread, incl. 3 PP adapters for 40/38/32 mm threads, 2 micro batteries 1.5 V, certificate of conformity   | 4965000025 |

## Accessories

| Description                                                                                                | Order no.  |
|------------------------------------------------------------------------------------------------------------|------------|
| <b>Drying tube</b> , for Eppendorf Top Buret, without drying agent                                         | 4960851000 |
| <b>Telescopic aspirating tube</b> , for Eppendorf Top Buret, for 2.5 mL, 5 mL, 10 mL, 25 mL, 50 mL, 100 mL | 4960805009 |
| <b>Batteries (2 pcs.)</b> , for Eppendorf Top Buret, LR03/AAA, 1.5 V                                       | 4965625009 |
| <b>Bottle thread adapter</b> , PP, from GL 32 to GL 25                                                     | 4960800040 |
| <b>Bottle thread adapter</b> , PP, from GL 32 to GL 27                                                     | 4960800139 |
| <b>Bottle thread adapter</b> , PP, from GL 32 to GL/S 28                                                   | 4960800058 |
| <b>Bottle thread adapter</b> , PP, from GL 45 to GL 32                                                     | 4960800120 |
| <b>Bottle thread adapter</b> , PP, from GL 45 to GL 38                                                     | 4960800155 |
| <b>Bottle thread adapter</b> , PP, from GL 45 to S 40                                                      | 4960800147 |
| <b>Bottle thread adapter</b> , PP, from GL 32 to NS 19/26                                                  | 4960800082 |
| <b>Bottle thread adapter</b> , PP, from GL 32 to NS 24/29                                                  | 4960800090 |
| <b>Bottle thread adapter</b> , PP, from GL 32 to NS 29/32                                                  | 4960800104 |



# Varispenser® 2/Varispenser® 2x



## Safe and easy dispensing of liquids from bottles without compromise

Need a bottle-top dispenser for aggressive solutions such as acids, solutions or bases? The Eppendorf bottle-top dispensers Varispenser 2 and Varispenser 2x allow you to safely dispense liquids from a wide range of bottles without reagent waste and are ideal for conveniently dispensing aliquots from large supply bottles. Chemically resistant and autoclavable, their tight seal provides protection against caustic media.

## Product features

- Bottle-top dispenser with standard GL 45 thread for most common bottle threads in all sizes
- Safety valve balls in discharge valve prevent leakage when discharge tube is not mounted
- Air vent cap can be unscrewed for easy assembly of drying tube

## Applications

- Single-stroke liquid dispensing directly from supply bottles or other big laboratory vessels
- Recommended for a large variety of aqueous liquids, lyes, acids, bases or solvents (check Operating Manual for list)
- Suitable for liquids up to 2.2 g/cm<sup>3</sup> (density), 500 mbar (vapor pressure), 500 mm<sup>2</sup>/s (kinematic viscosity)





## Order information

| Description                                                                                                                        | Order no.  |
|------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Varispenser® 2</b> , 1-channel, bottle-top dispenser with telescopic intake tube (length 125 – 240 mm)                          |            |
| 0.2 – 2 mL, incl. adapters GL 25, GL 28/S 28, GL 32, GL 38, S 40                                                                   | 4966000010 |
| 0.5 – 5 mL, incl. adapters GL 25, GL 28/S 28, GL 32, GL 38, S 40                                                                   | 4966000029 |
| 1 – 10 mL, incl. adapters GL 25, GL 28/S 28, GL 32, GL 38, S 40                                                                    | 4966000037 |
| <b>Varispenser® 2</b> , 1-channel, bottle-top dispenser with telescopic intake tube (length 170 – 330 mm)                          |            |
| 2.5 – 25 mL, incl. adapters GL 32, GL 38, S 40                                                                                     | 4966000045 |
| 5 – 50 mL, incl. adapters GL 32, GL 38, S 40                                                                                       | 4966000053 |
| 10 – 100 mL, incl. adapters GL 32, GL 38, S 40                                                                                     | 4966000061 |
| <b>Varispenser® 2x</b> , 1-channel, bottle top dispenser with recirculation valve and telescopic intake tube (length 125 – 240 mm) |            |
| 0.2 – 2 mL, incl. adapters GL 25, GL 28/S 28, GL 32, GL 38, S 40                                                                   | 4967000014 |
| 0.5 – 5 mL, incl. adapters GL 25, GL 28/S 28, GL 32, GL 38, S 40                                                                   | 4967000022 |
| 1 – 10 mL, incl. adapters GL 25, GL 28/S 28, GL 32, GL 38, S 40                                                                    | 4967000030 |
| <b>Varispenser® 2x</b> , 1-channel, bottle top dispenser with recirculation valve and telescopic intake tube (length 170 – 330 mm) |            |
| 2.5 – 25 mL, incl. adapters GL 32, GL 38, S 40                                                                                     | 4967000049 |
| 5 – 50 mL, incl. adapters GL 32, GL 38, S 40                                                                                       | 4967000057 |
| 10 – 100 mL, incl. adapters GL 32, GL 38, S 40                                                                                     | 4967000065 |

## Accessories

| Description                                                                                               | Order no.  |
|-----------------------------------------------------------------------------------------------------------|------------|
| <b>Drying tube</b> , for Varispenser® 2/2x, without filling, including sealing washer (PTFE)              | 4966509002 |
| <b>Ventilation screw</b> , for microfilters with Luer connector, PP, with PTFE sealing washer             | 4966511007 |
| <b>Ventilation screw</b> , for Varispenser® 2/2x, PP                                                      | 4966601006 |
| <b>Discharge tube</b> , for Varispenser® 2/2x, spiraled, for 2 mL, 5 mL, 10 mL                            | 4966501001 |
| <b>Discharge tube</b> , for Varispenser® 2/2x, spiraled, for 25 mL, 50 mL, 100 mL                         | 4966502008 |
| <b>Telescopic aspirating tube</b> , FEP; for Varispenser® 2/2x, 70 mm – 140 mm, for 2 mL, 5 mL, 10 mL     | 4966503004 |
| <b>Telescopic aspirating tube</b> , FEP; for Varispenser® 2/2x, 125 mm – 240 mm, for 2 mL, 5 mL, 10 mL    | 4966504000 |
| <b>Telescopic aspirating tube</b> , FEP; for Varispenser® 2/2x, 195 mm – 350 mm, for 2 mL, 5 mL, 10 mL    | 4966505007 |
| <b>Telescopic aspirating tube</b> , FEP; for Varispenser® 2/2x, 250 mm – 480 mm, for 2 mL, 5 mL, 10 mL    | 4966506003 |
| <b>Telescopic aspirating tube</b> , FEP; for Varispenser® 2/2x, 250 mm – 480 mm, for 25 mL, 50 mL, 100 mL | 4966508006 |
| <b>Telescopic aspirating tube</b> , FEP; for Varispenser® 2/2x, 170 mm – 330 mm, for 25 mL, 50 mL, 100 mL | 4966507000 |
| <b>Bottle thread adapter</b> , PP, from GL 32 to GL 25                                                    | 4960800040 |
| <b>Bottle thread adapter</b> , PP, from GL 32 to GL 27                                                    | 4960800139 |
| <b>Bottle thread adapter</b> , PP, from GL 32 to GL/S 28                                                  | 4960800058 |
| <b>Bottle thread adapter</b> , PP, from GL 45 to GL 32                                                    | 4960800120 |
| <b>Bottle thread adapter</b> , PP, from GL 45 to GL 38                                                    | 4960800155 |
| <b>Bottle thread adapter</b> , PP, from GL 45 to S 40                                                     | 4960800147 |
| <b>Bottle thread adapter</b> , ETFE, from GL 32 to GL 25                                                  | 4966614000 |
| <b>Bottle thread adapter</b> , ETFE, from GL 32 to GL/S 28                                                | 4960835005 |
| <b>Bottle thread adapter</b> , ETFE, from GL 45 to GL 32                                                  | 4966615007 |
| <b>Bottle thread adapter</b> , ETFE, from GL 45 to GL 38                                                  | 4960839000 |
| <b>Bottle thread adapter</b> , ETFE, from GL 45 to S 40                                                   | 4960834009 |
| <b>Thread adapter</b> , for jerrycan 5 L, ETFE, from 45 mm to 17/8" thread                                | 4960832006 |

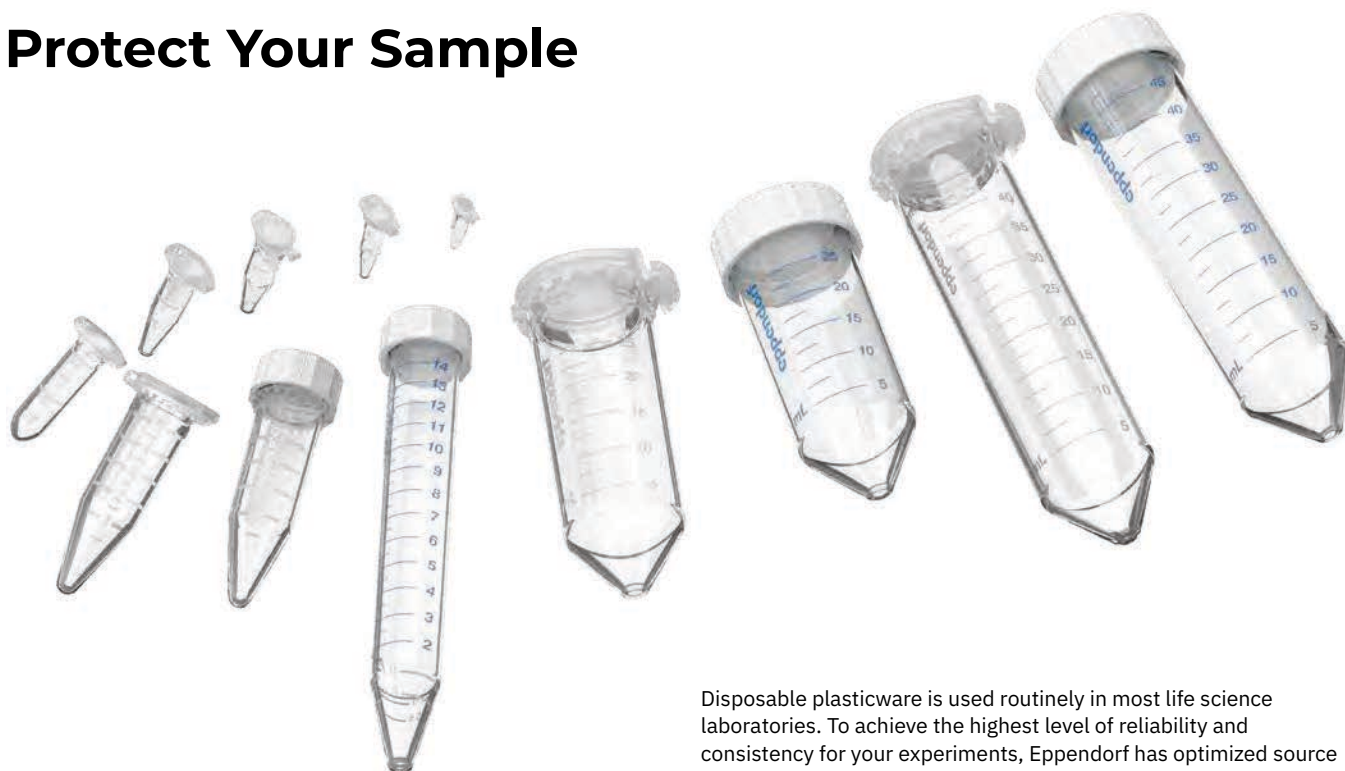
# eppendorf

## Tubes and plates portfolio.





# Protect Your Sample



## Eppendorf Tubes®

- Made of high quality, virgin polypropylene (PP), free of biocides, plasticizers and latex
- Produced with optimized, highly polished molds without the use of slip agents like oleamide, erucamide, stearamide
- Produced with dyes free of organic additives and heavy metals (applies for screw caps and Amber variants)
- Designed and manufactured under ISO 13485 and ISO 9001 certified Quality Management System
- Full traceability is provided for each product back to material lot

Disposable plasticware is used routinely in most life science laboratories. To achieve the highest level of reliability and consistency for your experiments, Eppendorf has optimized source materials and processes for the production of Eppendorf Tubes® to minimize the risk of interference. The effects from chemical substances such as slip agents, plasticizers or biocides leaching out of plastic consumables are still frequently underestimated in the majority of life science applications.

However, increasing scientific evidence shows that this heterogeneous group of chemicals may significantly affect experiments and pose a likely source of error in various assay systems. They slow down evaporation, skew absorbance readings and lead to erroneous DNA quantification. Some of these slip agents have also been shown to negatively affect the outcome of biological tests like enzyme activity or receptor-binding assays.



## Effective light protection in amber tubes

Numerous types of light-sensitive reagents and samples are often used in the laboratory routine. Once exposed to light, their quality, longevity or activity may rapidly decrease and therefore adversely affect subsequent assays and experiments. To avoid these issues, light-sensitive reagents and samples must be handled and stored in a manner that protects them from direct light exposure. Amber-colored laboratory plastic tubes reduce or completely block light transmission, and thus allow safe storage and handling of light-sensitive samples.

## Light protection meets transparency

While providing good sample protection against high-energy light in the short wavelength UV/VIS spectrum, amber tubes often come with a major drawback: They are opaque and therefore do not allow for a clear view of the sample. Designed specifically for Eppendorf conical tubes from 5 mL to 50 mL, our amber material has an optimized degree of transparency to allow for full visibility of the sample, offering full control over pipette tip insertion depth and providing a clear advantage in sample handling and contamination prevention.



# Quality Starts Here



## High Quality for your Application Needs

Eppendorf Plates® are produced, handled, stored, and delivered according to our premium quality and purity standards – that is what our customers call the Eppendorf Quality. Our plates are manufactured from carefully selected and purest raw materials that comply with international criteria for maximum purity.

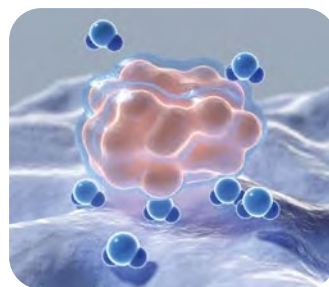
Fully automated production in clean room conditions removes any human interaction and possible contamination. With the particularly strict control criteria, internally and externally monitored, we guarantee the superior consistency of our products and your results.

Microbiology



## DNA LoBind® – Recover your nucleic acids

When dealing with low concentrations of nucleic acids, any sample loss could make downstream steps difficult. For example, in workflows including preparation and setup of PCR applications, loss of DNA on vessel surfaces can affect the performance of individual processing steps and can lead to misinterpretation of results. DNA LoBind Tubes and Plates maximize sample recovery of nucleic acids by significantly reducing sample-to-surface binding. They represent the ideal solution for preparing and storing samples containing low amounts of DNA. To minimize the risk of sample loss, the DNA LoBind properties are achieved without surface coating.



## Protein LoBind® – Get the most out of your applications

Protein preparation and storage represent critical steps in a wide range of laboratory applications. Unspecific adsorption of up to 90% of protein molecules or peptides to the polymer surface of the inner walls of tubes can significantly contribute to sample loss within 24 hours and artificially affect experimental results. Eppendorf Protein LoBind Tubes and Plates are specifically designed for use in applications where protein concentrations tend to be small and sample recovery is vital for assay results. A special, two-component polymer mix creates a hydrophilic surface that ensures optimized recovery rates of valuable samples.

### Applications

- Preparation or storage of DNA and RNA samples
- Forensic trace analysis
- Preparing dilution series in quantitative qPCR
- Sample preparation in next-generation sequencing
- Creation of genomic or oligonucleotide libraries

### Applications

- Preparation or storage of protein, peptide or antibody samples
- Storage of virus stock solutions
- Sample preparation in toxicology
- Storage of cell suspensions
- Enzymatic assays



# Our Portfolio – Your Choice



| Model                         | Tube 3810X | Safe-Lock Tube 0.5 mL | Safe-Lock Tube 1.5 mL | Safe-Lock Tube 2.0 mL |
|-------------------------------|------------|-----------------------|-----------------------|-----------------------|
| Page(s)                       | 10         | 9                     | 9                     | 9                     |
| Volume                        | 1.5 mL     | 0.5 mL                | 1.5 mL                | 2.0 mL                |
| Bottom shape                  | conical    | conical               | conical               | round                 |
| Max. RCF Eppendorf Quality    | 30,000 × g | 30,000 × g            | 30,000 × g            | 25,000 × g            |
| Max. RCF PCR clean            | 30,000 × g | 30,000 × g            | 30,000 × g            | 25,000 × g            |
| Max. RCF Biopur <sup>2)</sup> | –          | 22,000 × g            | 22,000 × g            | 22,000 × g            |
| Max. RCF sterile              | –          | –                     | –                     | –                     |
| Max. RCF Forensic DNA Grade   | –          | 22,000 × g            | 22,000 × g            | 22,000 × g            |
| Light protection              | no         | yes                   | yes                   | yes                   |

Test conditions: Rotor FA-45-6-30 in Eppendorf Centrifuge 5810 R (using a suitable centrifuge adapter for 15 mL tube), sample: saline solution (density: 1.0 g/mL), controlled centrifugation temp.: 25 °C, centrifugation time: 90 min



| Model              | DNA LoBind <sup>®</sup> Tubes/ snap cap, 0.5 mL | DNA LoBind <sup>®</sup> Tubes/ snap cap, 1.5 mL | DNA LoBind <sup>®</sup> Tubes/ snap cap, 2.0 mL |
|--------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Page(s)            | 16/17                                           | 16/17                                           | 16/17                                           |
| Bottom shape       | conical                                         | conical                                         | conical                                         |
| Max. RCF PCR clean | 18,000 × g/ 30,000 × g                          | 18,000 × g/ 30,000 × g                          | 18,000 × g/ 25,000 × g                          |

<sup>2)</sup> Test conditions: Rotor FA-45-6-30 in Eppendorf Centrifuge 5810 R (using a suitable centrifuge adapter for 15 mL tube), sample: saline solution (density: 1.0 g/mL), controlled centrifugation temp.: 25 °C, centrifugation time: 90 min



| Eppendorf Tubes 5.0 mL | Eppendorf Conical Tubes 15 mL | 25 mL SnapTec cap/<br>25 mL screw cap | Eppendorf Conical Tubes 50 mL | Eppendorf Conical Tubes SnapTec 50 |
|------------------------|-------------------------------|---------------------------------------|-------------------------------|------------------------------------|
| 10                     | 14                            | 12                                    | 14                            | 15                                 |
| 5.0 mL                 | 15 mL                         | 25 mL                                 | 50 mL                         | 45 mL                              |
| conical                | conical                       | conical                               | conical                       | conical                            |
| 25,000 × g             | –                             | 17,000 × g                            | –                             | 17,000 × g                         |
| 25,000 × g             | –                             | 17,000 × g                            | –                             | 17,000 × g                         |
| 25,000 × g             | –                             | –                                     | –                             | –                                  |
| 25,000 × g             | 19,500 × g <sup>1)</sup>      | 17,000 × g                            | 19,500 × g <sup>1)</sup>      | 17,000 × g                         |
| 25,000 × g             | 19,500 × g <sup>1)</sup>      | –                                     | 19,500 × g <sup>1)</sup>      | 17,000 × g                         |
| yes                    | yes                           | yes                                   | yes                           | no                                 |



**Protein LoBind® Tubes/ snap cap,  
DNA LoBind®, 5.0 mL**

|                        |
|------------------------|
| <b>16/17</b>           |
| conical                |
| 25,000 × g/ 25,000 × g |

**Protein LoBind® Tubes/ screw cap,  
DNA LoBind®, 15 mL, conical tubes**

|              |
|--------------|
| <b>16/17</b> |
| conical      |
| 19,500 × g   |

**Protein LoBind® Tubes/ SnapTec® cap, DNA LoBind®, 25 mL, conical tubes**

|                                      |
|--------------------------------------|
| <b>16/17</b>                         |
| conical                              |
| 14000 × g <sup>1)</sup> / 17,000 × g |

**Protein LoBind® Tubes/ screw cap,  
DNA LoBind®, 50 mL, conical tubes**

|              |
|--------------|
| <b>16/17</b> |
| conical      |
| 19,500 × g   |





# Our Portfolio – Your Choice



| Microplates            |                        |                        |                        |
|------------------------|------------------------|------------------------|------------------------|
| Model                  | MTP 96/F               | MTP 96/U               | MTP 96/V               |
| Page(s)                | 18                     | 18                     | 18                     |
| Number of wells        | 96 wells               | 96 wells               | 96 wells               |
| Total volume per well  | 400 µL                 | 360 µL                 | 350 µL                 |
| Working volume         | 50 – 350 µL            | 20 – 320 µL            | 20 – 320 µL            |
| Material               | polypropylene (PP)     | polypropylene (PP)     | polypropylene (PP)     |
| Bottom shape           | F bottom               | U bottom               | V bottom               |
| Dimensions (W × D × H) | 127.8 × 85.5 × 14.4 mm | 127.8 × 85.5 × 14.4 mm | 127.8 × 85.5 × 14.4 mm |
| Max. RCF               | 6,000 × g              | 6,000 × g              | 6,000 × g              |

Microplate technology



| Deepwell Plates        |                        |                        |                        |                        |
|------------------------|------------------------|------------------------|------------------------|------------------------|
| Model                  | DWP 96/500             | DWP 96/1000            | DWP 96/2000            | DWP 384/200            |
| Page(s)                | 20                     | 20                     | 20                     | 20                     |
| Number of wells        | 96 wells               | 96 wells               | 96 wells               | 384 wells              |
| Total volume per well  | 700 µL                 | 1,200 µL               | 2,400 µL               | 240 µL                 |
| Working volume         | 30 – 550 µL            | 30 – 1,000 µL          | 50 – 2,000 µL          | 20 – 225 µL            |
| Material               | polypropylene (PP)     | polypropylene (PP)     | polypropylene (PP)     | polypropylene (PP)     |
| Bottom shape           | conical                | conical                | conical                | conical                |
| Dimensions (W × D × H) | 127.8 × 85.5 × 27.1 mm | 127.8 × 85.5 × 44.1 mm | 127.8 × 85.5 × 44.1 mm | 127.8 × 85.5 × 25.1 mm |
| Max. RCF               | 6,000 × g              | 6,000 × g              | 6,000 × g              | 6,000 × g              |





#### Microplates

| MTP 384/F              | MTP 384/V              | Assay MTP 96/F         |
|------------------------|------------------------|------------------------|
| <b>18</b>              | <b>18</b>              | <b>19</b>              |
| 384 wells              | 384 wells              | 96 wells               |
| 150 µL                 | 140 µL                 | 400 µL                 |
| 10 – 120 µL            | 10 – 120 µL            | 50 – 350 µL            |
| polypropylene (PP)     | polypropylene (PP)     | polypropylene (PP)     |
| F bottom               | V bottom               | flat                   |
| 127.8 × 85.5 × 14.4 mm | 127.8 × 85.5 × 14.4 mm | 127.8 × 85.5 × 14.4 mm |
| 6,000 × g              | 6,000 × g              | 6,000 × g              |

Microplate technology

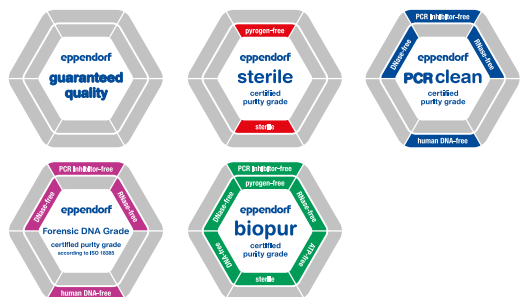


#### Protein LoBind® Plates/ DNA LoBind® Plates

| MTP 96/V               | MTP 384/V              | DWP 96/500             | DWP 96/1000            | DWP 96/2000          | DWP 384/200            |
|------------------------|------------------------|------------------------|------------------------|----------------------|------------------------|
| <b>21/22</b>           | <b>21/22</b>           | <b>21/22</b>           | <b>21/22</b>           | <b>21/22</b>         | <b>21/22</b>           |
| 96 wells               | 384 wells              | 96 wells               | 96 wells               | 96 wells             | 384 wells              |
| 350 µL                 | 140 µL                 | 700 µL                 | 1,200 µL               | 2,400 µL             | 240 µL                 |
| 20 – 300 µL            | 5 – 120 µL             | 30 – 550 µL            | 30 – 1,000 µL          | 50 – 2,000 µL        | 20 – 225 µL            |
| polypropylene (PP)     | polypropylene (PP)     | polypropylene (PP)     | polypropylene (PP)     | polypropylene (PP)   | polypropylene (PP)     |
| conical                | conical                | conical                | conical                | conical              | conical                |
| 127.8 × 85.5 × 14.4 mm | 127.8 × 85.5 × 14.4 mm | 127.8 × 85.5 × 27.1 mm | 127.8 × 85.5 × 44.1 mm | 127.8 × 85.5 × 60 mm | 127.8 × 85.5 × 25.1 mm |
| 6,000 × g              | 6,000 × g              | 6,000 × g              | 6,000 × g              | 6,000 × g            | 6,000 × g              |



# Eppendorf Purity Grades for Tubes and Plates



## Eppendorf sample handling consumables stand for highest quality and purity

Our tubes and plates are available in a variety of purity grades (see table below). The purity grades “sterile”, “PCR clean”, “Biopur” and “Forensic DNA Grade” are certified by an ISO 17025 accredited external lab. As a special service, we make the lot-specific certificates available online ([www.eppendorf.com/certificates](http://www.eppendorf.com/certificates)).

| Purity grades                                                                    |                   |                   |                     |                                            |                               |
|----------------------------------------------------------------------------------|-------------------|-------------------|---------------------|--------------------------------------------|-------------------------------|
| Eppendorf purity grades for tubes and plates                                     | Eppendorf Quality | Eppendorf sterile | Eppendorf PCR clean | Eppendorf Forensic DNA Grade <sup>5)</sup> | Eppendorf Biopur <sup>®</sup> |
| <b>Continuous quality control for the following relevant criteria:</b>           |                   |                   |                     |                                            |                               |
| Function, tightness, precision                                                   | •                 | •                 | •                   | •                                          | •                             |
| Low wetting                                                                      | •                 | •                 | •                   | •                                          | •                             |
| High chemical resistance                                                         | •                 | •                 | •                   | •                                          | •                             |
| High thermal resistance                                                          | •                 | •                 | •                   | •                                          | •                             |
| High resistance to centrifugation forces <sup>1)</sup>                           | •                 | •                 | •                   | •                                          | •                             |
| High transparency                                                                | •                 | •                 | •                   | •                                          | •                             |
| Precisely shaped                                                                 | •                 | •                 | •                   | •                                          | •                             |
| <b>Lot-specific certificates<sup>2)</sup> for the following purity criteria:</b> |                   |                   |                     |                                            |                               |
| Pyrogen-free <sup>6)</sup> (endotoxin-free)                                      |                   | •                 |                     |                                            | •                             |
| Sterile (Ph.Eur./USP)                                                            |                   | •                 |                     |                                            | •                             |
| DNA-free <sup>6)</sup> (Human DNA)                                               |                   |                   | •                   | •                                          | •                             |
| DNA-free <sup>6)</sup> (Bacteria DNA)                                            |                   |                   |                     |                                            | •                             |
| DNase-free <sup>6)</sup>                                                         |                   |                   | •                   | •                                          | •                             |
| RNase-free <sup>6)</sup>                                                         |                   |                   | •                   | •                                          | •                             |
| PCR-inhibitor-free <sup>6)</sup>                                                 |                   |                   | •                   | •                                          | •                             |
| ATP-free <sup>6)</sup>                                                           |                   |                   |                     |                                            | •                             |
| <b>Eppendorf Tubes<sup>•</sup></b>                                               |                   |                   |                     |                                            |                               |
| Safe-Lock Tubes                                                                  | •                 |                   | •                   | •                                          | • <sup>3)</sup>               |
| Flex-Tubes <sup>•</sup> / 3810X                                                  | •                 |                   | •                   |                                            |                               |
| Eppendorf Tubes <sup>•</sup> 5.0 mL                                              | •                 | •                 | •                   | •                                          | • <sup>3)</sup>               |
| Eppendorf Conical Tubes 25 mL                                                    | •                 | • <sup>4)</sup>   | •                   |                                            |                               |
| Eppendorf Conical Tubes 15 mL and 50 mL                                          |                   | • <sup>4)</sup>   |                     | • <sup>3)</sup>                            |                               |
| DNA and Protein LoBind Tubes                                                     |                   |                   | •                   |                                            |                               |
| PCR Tubes (PCR and real-time PCR)                                                |                   |                   | •                   | •                                          |                               |
| Cap Strips (PCR and real-time PCR)                                               |                   |                   | •                   |                                            |                               |
| <b>Eppendorf Plates<sup>•</sup> and accessories</b>                              |                   |                   |                     |                                            |                               |
| Deepwell Plates and Microplates                                                  |                   | •                 | •                   |                                            |                               |
| Protein LoBind Deepwell Plates                                                   |                   |                   | •                   |                                            |                               |
| DNA LoBind Deepwell Plates                                                       |                   |                   | •                   |                                            |                               |
| Eppendorf twin.tec <sup>•</sup> PCR Plates                                       |                   |                   | •                   | • <sup>3)</sup>                            |                               |
| Heat Sealing Film and Foil                                                       |                   |                   | •                   |                                            |                               |
| PCR Storage Films and Foils                                                      |                   |                   | •                   |                                            |                               |
| Plate Lid                                                                        |                   | •                 | •                   |                                            |                               |

<sup>1)</sup> For accurate details regarding resistance to centrifugation, please refer to the respective product pages. Lot-specific certificate can be downloaded from [www.eppendorf.com/certificates](http://www.eppendorf.com/certificates)<sup>3)</sup>

<sup>4)</sup> Eppendorf sterile, RNase free, DNase free, DNA free. Testing showed conformity within the detection limits (human and bacteria DNA<sup>5)</sup> According to ISO 18385. <sup>6)</sup>

Testing showed conformity within the detection limits  
Individually packaged.



# Eppendorf Safe-Lock Tubes



## Unrivaled for Decades

Eppendorf Safe-Lock Tubes are the result of 50 years of continuous improvement and development. The hinged Eppendorf Safe-Lock lid provides outstanding protection against unintentional opening during incubation and storage. Trust in the original Eppendorf SafeLock Tubes, because your samples deserve nothing but the best.

## Product features

- Hinged Eppendorf Safe-Lock lid prevents unintentional lid opening during incubation and storage
- g-Safe\*: Depending on Safe-Lock Tube variant (see manual) exceptional centrifugation stability up to 30,000 × g prevents sample loss due to tube breakage and provides extra safety when working with hazardous samples
- Manufactured without the use of slip agents, plasticizers, and biocides – substances that have been shown to leach from plastic consumables into the sample and negatively affect bio-assay results

Eppendorf Safe-Lock Tubes

## Order information

| Description                                                                                                                                                                    | Order no.  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Safe-Lock Tubes, 0.5 mL</b>                                                                                                                                       |            |
| Eppendorf Quality, colorless, 500 tubes. Replaces order no. 0030121503.                                                                                                        | 0030121023 |
| Eppendorf Quality, yellow, 500 tubes                                                                                                                                           | 0030121112 |
| Eppendorf Quality, red, 500 tubes                                                                                                                                              | 0030121120 |
| Eppendorf Quality, blue, 500 tubes                                                                                                                                             | 0030121139 |
| Eppendorf Quality, green, 500 tubes                                                                                                                                            | 0030121147 |
| Eppendorf Quality, assorted colors (per 100), 500 tubes                                                                                                                        | 0030121708 |
| PCR clean, amber (light protection), 500 tubes                                                                                                                                 | 0030121155 |
| PCR clean, colorless, 500 tubes                                                                                                                                                | 0030123301 |
| Biopur®, colorless, 50 tubes, individually packed                                                                                                                              | 0030121570 |
| Forensic DNA Grade, colorless, 500 tubes (10 bags × 50 tubes)                                                                                                                  | 0030123603 |
| <b>Eppendorf Safe-Lock Tubes, 1.5 mL</b>                                                                                                                                       |            |
| Eppendorf Quality, colorless, 1,000 tubes. Replaces order no. 0030121872.                                                                                                      | 0030120086 |
| Eppendorf Quality, yellow, 1,000 tubes                                                                                                                                         | 0030120159 |
| Eppendorf Quality, red, 1,000 tubes                                                                                                                                            | 0030120167 |
| Eppendorf Quality, blue, 1,000 tubes                                                                                                                                           | 0030120175 |
| Eppendorf Quality, green, 1,000 tubes                                                                                                                                          | 0030120183 |
| Eppendorf Quality, assorted colors (per 200), 1,000 tubes                                                                                                                      | 0030121694 |
| PCR clean, amber (light protection), 1,000 tubes                                                                                                                               | 0030120191 |
| PCR clean, colorless, 1,000 tubes                                                                                                                                              | 0030123328 |
| Biopur®, colorless, 100 tubes, individually packed                                                                                                                             | 0030121589 |
| Forensic DNA Grade, colorless, 500 tubes (10 bags × 50 tubes)                                                                                                                  | 0030123611 |
| <b>Eppendorf Safe-Lock Tubes, 2.0 mL</b>                                                                                                                                       |            |
| Eppendorf Quality, colorless, 1,000 tubes. Replaces order no. 0030121880.                                                                                                      | 0030120094 |
| Eppendorf Quality, yellow, 1,000 tubes                                                                                                                                         | 0030120205 |
| Eppendorf Quality, red, 1,000 tubes                                                                                                                                            | 0030120213 |
| Eppendorf Quality, blue, 1,000 tubes                                                                                                                                           | 0030120221 |
| Eppendorf Quality, green, 1,000 tubes                                                                                                                                          | 0030120230 |
| Eppendorf Quality, assorted colors (per 200), 1,000 tubes                                                                                                                      | 0030121686 |
| PCR clean, amber (light protection), 1,000 tubes                                                                                                                               | 0030120248 |
| PCR clean, colorless, 1,000 tubes                                                                                                                                              | 0030123344 |
| Biopur®, colorless, 100 tubes, individually packed                                                                                                                             | 0030121597 |
| Forensic DNA Grade, colorless, 500 tubes (10 bags × 50 tubes)                                                                                                                  | 0030123620 |
| <b>Storage Box 8 × 8</b> , freezer box, for 64 tubes 1 – 2 mL, 3 pcs., height 53 mm, 2 in, polypropylene, for freezing to -86 °C, autoclavable, with lid and alphanumeric code | 0030140524 |
| <b>Eppendorf Tube Rack</b> , 36 positions, for 1.5 mL and 2.0 mL tubes, polypropylene, numbered positions, autoclavable, 2 pcs.                                                | 0030119819 |



# Eppendorf Tubes® 3810X



## The Original

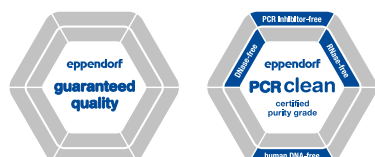
The easy-open, easy-close design of the Eppendorf Tubes® 3810X provides convenient, ergonomic, and reliable one-handed operation. Whether sample preparation, centrifugation or storage – the Eppendorf Tubes® 3810X fit perfectly into your workflows!

## Product features

- Tube lid is easy to open and close for ergonomic operation
- Polypropylene provides high resistance to chemicals, mechanical stress, and temperature extremes
- g-Safe®: Exceptional centrifugation stability up to 30,000 × g prevents sample loss due to tube breakage and provides extra safety when working with hazardous samples

## Order information

| Description                                                                                                                                                                   | Order no.  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Tubes® 3810X, 1.5 mL, g-safe® centrifugation stability</b>                                                                                                       |            |
| Eppendorf Quality, colorless, 1,000 pcs.                                                                                                                                      | 0030125150 |
| Eppendorf Quality, yellow, 1,000 pcs.                                                                                                                                         | 0030125207 |
| Eppendorf Quality, red, 1,000 pcs.                                                                                                                                            | 0030125193 |
| Eppendorf Quality, blue, 1,000 pcs.                                                                                                                                           | 0030125177 |
| Eppendorf Quality, green, 1,000 pcs.                                                                                                                                          | 0030125185 |
| PCR clean, colorless, 1,000 pcs.                                                                                                                                              | 0030125215 |
| <b>Storage Box 8 × 8, freezer box, for 64 tubes 1 – 2 mL, 3 pcs., height 53 mm, 2 in, polypropylene, for freezing to -86 °C, autoclavable, with lid and alphanumeric code</b> | 0030140524 |
| <b>Eppendorf Tube Rack, 36 positions, for 1.5 mL and 2.0 mL tubes, polypropylene, numbered positions, autoclavable, 2 pcs.</b>                                                | 0030119819 |



# Eppendorf Tubes® 5.0 mL



## The Missing Link!

Eppendorf Tubes® 5.0 mL. This product represents the perfect option for working with medium-sized sample volumes. It fills the gap between existing tube formats and enables the simple and safe processing of sample volumes up to 5.0 mL.

## Product features

- Ergonomic operation: Snap cap - simple, practical and ergonomic singlehand operation. Screw cap - flattened and grooved sides provide optimal grip and user-friendly handling
- Broad operating temperature range: Screw cap tubes: -86 °C – 100 °C. Snap cap tubes: -86 °C – 80 °C (when using the clip ≤ 100 °C)
- Material: Exceptionally high-quality, transparent polypropylene, free of plasticizers, biocides or mold release agents, for reliable test results





### Light Protection as well as Transparency

The amber colored Eppendorf Tubes® 5.0 mL with screw cap combine effective protection of your sensitive samples from energy-rich light in the lower wavelength range with a high degree of transparency. You get full control on the insertion depths of pipette tips - often a source of contamination when handling solutions in intransparent tube formats.

### Order information

| Description                                                                                                                                                                                                                                                   | Order no.  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Tubes® BioBased 5.0 mL</b>                                                                                                                                                                                                                       |            |
| screw cap, 5.0 mL, sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, ACT, 200 tubes (2 bags × 100 tubes)                                                                                                                            | 0030122518 |
| <b>Eppendorf Tubes® 5.0 mL, snap cap, 5.0 mL</b>                                                                                                                                                                                                              |            |
| Eppendorf Quality, colorless, 200 tubes (2 bags × 100 tubes), ACT                                                                                                                                                                                             | 0030119401 |
| PCR clean, colorless, 200 tubes (2 bags × 100 tubes), ACT                                                                                                                                                                                                     | 0030119460 |
| Biopur®, colorless, 50 tubes, individually wrapped, ACT                                                                                                                                                                                                       | 0030119479 |
| Forensic DNA Grade, colorless, 200 tubes (4 bags × 50 tubes), ACT                                                                                                                                                                                             | 0030119606 |
| sterile, colorless, 200 tubes (10 bags × 20 tubes), ACT                                                                                                                                                                                                       | 0030119487 |
| PCR clean, amber (light protection), 200 tubes (2 bags × 100 tubes), ACT                                                                                                                                                                                      | 0030119452 |
| <b>Eppendorf Tubes® 5.0 mL, screw cap, 5.0 mL</b>                                                                                                                                                                                                             |            |
| Eppendorf Quality, colorless, 200 tubes (2 bags × 100 tubes), ACT. Replaces order no. 0030119517.                                                                                                                                                             | 0030122305 |
| PCR clean, colorless, 200 tubes (2 bags × 100 tubes), ACT                                                                                                                                                                                                     | 0030122313 |
| sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, 200 tubes (2 bags × 100 tubes), ACT                                                                                                                                               | 0030122321 |
| Forensic DNA Grade, colorless, 200 tubes (2 bags × 100 tubes), ACT                                                                                                                                                                                            | 0030122402 |
| sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, amber (light protection), 200 tubes (2 bags × 100 tubes), ACT                                                                                                                                | 0030122330 |
| <b>Eppendorf Tubes® 5.0 mL starter pack</b> , snap cap, 5.0 mL, 400 tubes (2 packages with 2 bags of 100 each), 2 racks (with 12 locations each), white, 8 universal adapters for rotors with bore holes for 15 mL conical tubes, PCR clean, colorless, ACT   | 0030119380 |
| <b>Eppendorf Tubes® 5.0 mL, starter pack</b> , screw cap, 5.0 mL, 400 tubes (2 packages with 2 bags of 100 each), 2 racks (with 12 locations each), white, 8 universal adapters for rotors with bore holes for 15 mL conical tubes, PCR clean, colorless, ACT | 0030122364 |

### Order information

|                                                                                                                                                                                      |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>Eppendorf Tubes® 5.0 mL – System Accessories, 5.0 mL</b>                                                                                                                          | <b>Order no.</b> |
| <b>Tube Clip for Eppendorf Tubes® 5.0 mL</b> , 5.0 mL, Eppendorf Quality, 10 pcs.                                                                                                    | 0030119509       |
| <b>Eppendorf Tube Rack</b> , 12 positions, for 5.0 mL and 15 mL tubes, polypropylene, numbered positions, autoclavable, 2 pcs.                                                       | 0030119827       |
| <b>Storage Box 5 × 5</b> , freezer box, for 25 tubes 5 mL, 4 pcs., height 64 mm, 2.5 in, polypropylene, for freezing to -86 °C, autoclavable, with lid and alphanumeric code         | 0030140532       |
| <b>Storage Box 5 × 5</b> , freezer box, for 25 tubes 5 mL screw cap, 2 pcs., height 76 mm, 3 in, polypropylene, for freezing to -86 °C, autoclavable, with lid and alphanumeric code | 0030140613       |
| <b>Rotor FA-45-12-17</b> , aerosol-tight, incl. rotor lid, aluminum                                                                                                                  | 5409700006       |
| <b>Rotor FA-45-16-17</b> , aerosol-tight, incl. rotor lid, for 16 × Eppendorf Tubes® 5.0 mL                                                                                          | 5427750002       |
| <b>Rotor FA-45-20-17</b> , incl. rotor lid, for 20 Eppendorf Tubes® 5.0 mL                                                                                                           | 5820765003       |
| <b>Adapter</b> , for 14 Eppendorf Tubes® 5.0 mL, for Rotor S-4-104, Rotor S-4x1000 round buckets and Rotor S-4x750, 2 pcs.                                                           | 5825739000       |
| <b>Adapter</b> , for 1 Eppendorf Tubes® 5.0 mL, 17 mm × 60 mm, for 100 mL round bucket in Rotor A-4-38, 2 pcs.                                                                       | 5702733008       |
| <b>Adapter</b> , for 1 Eppendorf Tubes® 5.0 mL, for Rotor F-35-6-30, large rotor bore, 2 pcs.                                                                                        | 5427747001       |
| <b>Adapter</b> , for 1 Eppendorf Tubes® 5.0 mL, for Rotor F-34-6-38, 2 pcs.                                                                                                          | 5804777000       |
| <b>Adapter</b> , for 1 Eppendorf Tubes® 5.0 mL, for Rotor F-35-6-30, small rotor bore, 2 pcs.                                                                                        | 5427746005       |
| <b>Adapter</b> , for 1 Eppendorf Tubes® 5.0 mL with snap cap, for Rotor FA-45-6-30 and FA-6x50, 2 pcs.                                                                               | 5820730005       |
| <b>Universal adapter</b> , for 1 Eppendorf Tubes® 5.0 mL, for rotors for conical 15 mL tubes, 8 pcs.                                                                                 | 5820732008       |
| <b>Adapter</b> , for 8 Eppendorf Tubes® 5.0 mL, for Rotor S-4-72, 2 pcs.                                                                                                             | 5804793005       |
| <b>Exchangeable thermoblocks</b> , for 8 × Eppendorf Tubes® 5.0 mL                                                                                                                   | 5309000333       |
| <b>Eppendorf SmartBlock 5 mL</b> , thermoblock for 8 Eppendorf Tubes® 5.0 mL, 8 × 5.0 mL reaction vessels                                                                            | 5309000007       |
| <b>ReservoirRack Module TC</b> , for use in epMotion® ReservoirRacks, temperable, 4 × Eppendorf Tubes® 5.0 mL                                                                        | 5075799340       |



# Eppendorf Conical Tubes 25 mL



## The Next Level – Eppendorf Conical Tubes 25 mL!

This member of the big Eppendorf Tube Family fills the gap between the volumes of traditional conical tubes of 15 mL and 50 mL. Optimized height and outstanding quality make these conical tubes ideally suited for cell biology tasks such as for pooling media from T75 flasks, bacteria culture in midi prep size or overlapping applications like buffer preparation, storage and transport.

Also available in Amber for UV-light sensitive samples and in DNA LoBind and Protein LoBind.

## Product features

- Reduced height gives easy sample access even with low-volume pipettes and tips – reduces risk of cross-contamination between pipette and tube
- Single-handed opening and closing through SnapTec® cap version for fast liquid extraction and addition
- Centrifugation stability up to 17,000 x g<sup>1)</sup> for both tube variants - SnapTec® cap and screw cap

<sup>1)</sup> Please note the Instructions For Use for details ([www.eppendorf.com/manuals](http://www.eppendorf.com/manuals))  
“Eppendorf Conical Tubes 25 mL, snap cap” and “Eppendorf Conical Tubes 15, 25 and 50 mL”

## Applications

- Cell culture applications, optimal for pooling, e.g. pooling media from 3 x T75 flasks (25 mL)
- Sample preparation in microbiology and molecular biology labs, e.g. bacteria culture in midi prep size, cloning, DNA extraction when working with a relatively high amount of biological starting material (in botany)
- Storage and transport of samples and solutions up to 25 mL
- Preparation of master mixes and buffers







### Improved sample processing

Greater diameter and lower height than 15 mL conical tubes enable better sample access and faster resuspension of pellets after centrifugation.



### Single-handed operation

Supports optimized and faster handling of sample solutions, especially in multi-step protocols.

## A Full System of Components



### Centrifugation

Centrifuges with rotors for 50 mL conical tubes, e.g. 59xx series and 58xx series: Two adapter variants for snap cap (order no.: 5820733004) and screw cap (order no.: 5820734000) 25 mL tubes enable usage in 50 mL rotors and buckets.



### Sample Storage

#### Single Tube Stand:

Ideally suited for weighing samples on the balance and for handling individual samples. The viewing slit enables observation of the filling level at any time. (order no.: 0030119860)



### Heating and Mixing

#### Eppendorf ThermoMixer® C and Eppendorf ThermoStat C:

Adapter for 25 mL tubes ensures compatibility with Eppendorf SmartBlock 50 mL. (order no.: 5365000109)



#### Tube Rack 25 mL:

Eppendorf Racks for 50 mL conical tubes can be used with the new 25 mL tubes. (order no.: 0030119835)



### MixMate:

Tube Holder 25/50 mL, for 4 × 25/50 mL conical tubes. (order no.: 5353040156)



### Storage box made of polypropylene:

Lower height allows space-saving storage for up to 9 × 25 mL tubes in 3.5 inches Eppendorf Storage Boxes. (order no.: 0030140729)

## Order information

| Description                                                                                                                                            | Order no.  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Tubes® BioBased 25 mL</b>                                                                                                                 |            |
| screw cap, 25 mL, sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, ACT, 200 tubes (8 bags × 25 tubes)                       | 0030122534 |
| <b>Eppendorf Conical Tubes 25 mL, SnapTec® cap, 25 mL</b>                                                                                              |            |
| sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, amber (light protection), ACT, 150 tubes (6 bags × 25 tubes)                          | 0030118430 |
| Eppendorf Quality, colorless, ACT, 200 tubes (5 bags × 40 tubes)                                                                                       | 0030118405 |
| PCR clean, colorless, ACT, 200 tubes (5 bags × 40 tubes)                                                                                               | 0030118413 |
| sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, ACT, 150 tubes (6 bags × 25 tubes)                                         | 0030118421 |
| <b>Eppendorf Conical Tubes 25 mL, SnapTec® cap, 25 mL, Starter Pack, 4 Single Tube Stands, 6 adapters for rotors with bore for 50 mL conical tubes</b> |            |
| PCR clean, colorless, ACT, 200 tubes (5 bags × 40 tubes)                                                                                               | 0030118502 |
| <b>Eppendorf Conical Tubes 25 mL, screw cap, 25 mL</b>                                                                                                 |            |
| sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, amber (light protection), ACT, 200 tubes (8 bags × 25 tubes)                          | 0030122445 |
| Eppendorf Quality, colorless, ACT, 200 tubes (4 bags × 50 tubes)                                                                                       | 0030122410 |
| PCR clean, colorless, ACT, 200 tubes (4 bags × 50 tubes)                                                                                               | 0030122429 |
| sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, ACT, 200 tubes (8 bags × 25 tubes)                                         | 0030122437 |
| <b>Eppendorf Conical Tubes 25 mL, screw cap, 25 mL, Starter Pack, 4 Single Tube Stands, 6 adapters for rotors with bore for 50 mL conical tubes</b>    |            |
| PCR clean, colorless, ACT, 200 tubes (4 bags × 50 tubes)                                                                                               | 0030122500 |

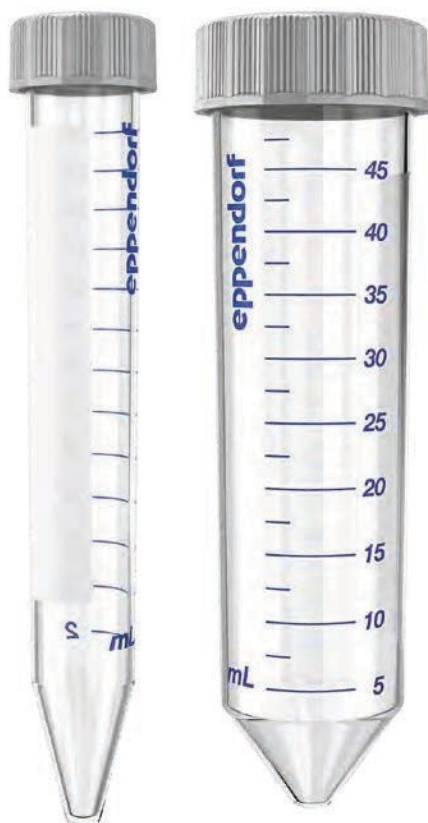




# Eppendorf Conical Tubes 15 mL and 50 mL

## Conical Competence

The Eppendorf Conical Tubes 15 and 50 mL meet the highest demands of diverse laboratory applications. The excellent quality and specifications make them ideally suited for cell biology applications as well as for sample preparation protocols in microbiology and molecular biology laboratories. The new Eppendorf Conical Tubes SnapTec® 50 allow easy one-handed sample handling.



## Product features

- Premium USP class 6 raw material and no use of slip agents, plasticizers, and biocides during manufacturing ensure highest sample integrity, high g-Safe® centrifugation stability, and optimal sample and pellet visibility
- Cap with flattened and grooved sides supports a user-friendly ergonomic handling, enables a stable upright positioning, and minimizes contamination risk
- Eppendorf Conical Tubes SnapTec® 50 for fast opening and closing in routine multistep protocols

## Applications

- Convenient and safe cell culture applications
- Sample preparation in microbiology and molecular biology labs
- Storage of samples and solutions with larger volumes
- Preparation of mastermixes and buffers



Whether centrifugation, mixing, or other applications, the Eppendorf Conical Tubes 15 and 50 mL suit your needs.



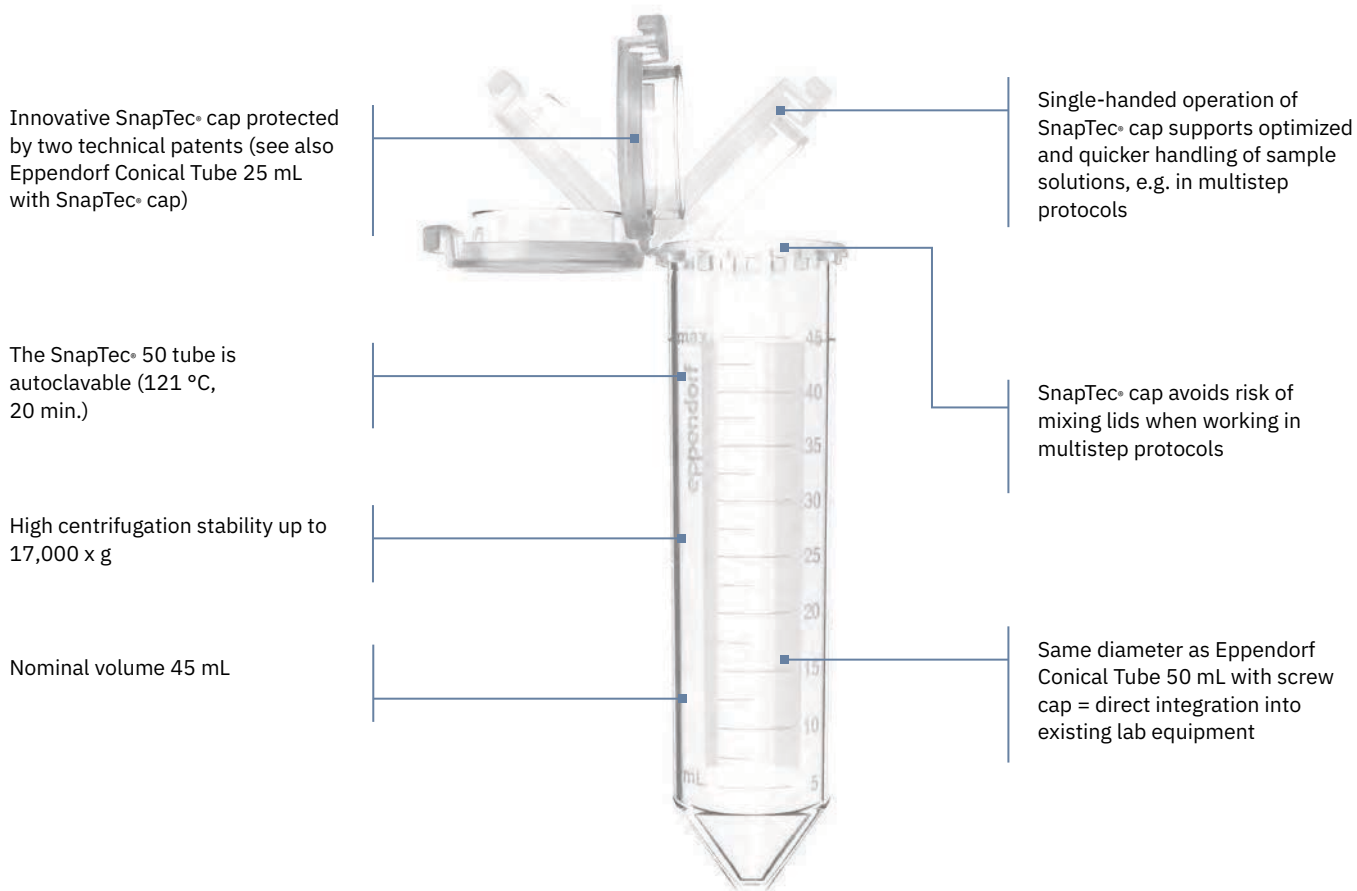
Light protection as well as transparency - two benefits in one tube.

## Order information

| Description                                                                                                                                                                | Order no.  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Tubes® BioBased 15 mL</b> , screw cap, 15 mL, sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, ACT, 500 tubes (10 bags × 50 tubes) | 0030122526 |
| <b>Eppendorf Tubes® BioBased 50 mL</b> , screw cap, 50 mL, sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, ACT, 500 tubes (20 bags × 25 tubes) | 0030122542 |
| <b>Eppendorf Conical Tubes, 15 mL</b>                                                                                                                                      |            |
| sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, 500 tubes (10 bags × 50 tubes)                                                                 | 0030122151 |
| sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, amber (light protection), 200 tubes (4 bags × 50 tubes)                                                   | 0030122194 |
| Forensic DNA Grade, colorless, 100 tubes, individually wrapped                                                                                                             | 0030122259 |
| sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, 500 tubes (20 racks × 25 tubes)                                                                | 0030122160 |
| <b>Eppendorf Conical Tubes, 50 mL</b>                                                                                                                                      |            |
| sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, 500 tubes (20 bags × 25 tubes)                                                                 | 0030122178 |
| sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, amber (light protection), 200 tubes (8 bags × 25 tubes)                                                   | 0030122224 |
| Forensic DNA Grade, colorless, 48 tubes, individually wrapped                                                                                                              | 0030122267 |
| sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, 300 tubes (12 racks × 25 tubes)                                                                | 0030122186 |



# Eppendorf Conical Tubes SnapTec® 50



## Order information

| Description                                                                                                                                                                                  | Order no.  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Conical Tubes SnapTec® 50, 45 mL</b>                                                                                                                                            |            |
| Eppendorf Quality, colorless, 240 tubes (8 bags × 30 tubes)                                                                                                                                  | 0030118650 |
| PCR clean, colorless, 240 tubes (8 bags × 30 tubes)                                                                                                                                          | 0030118669 |
| sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, 200 tubes (10 bags × 20 tubes)                                                                                   | 0030118677 |
| <b>Eppendorf Tube Rack, 12 positions, for 5.0 mL and 15 mL tubes, polypropylene, numbered positions, autoclavable, 2 pcs.</b>                                                                | 0030119827 |
| <b>Eppendorf Tube Rack, 12 positions, 6 for 5.0 mL and 15 mL tubes and 6 for 25 mL and 50 mL tubes, polypropylene, numbered positions, autoclavable, 2 pcs.</b>                              | 0030119835 |
| <b>Storage Box 5 × 5, freezer box, for 25 tubes 15 mL, 2 pcs., height 127 mm, 5 in, polypropylene, for freezing to -86 °C, autoclavable, with lid and alphanumeric code</b>                  | 0030140583 |
| <b>Storage Box 3 × 3, freezer box, for 9 tubes 50 mL and 4 tubes 15 mL, 2 pcs., height 127 mm, 5 in, polypropylene, for freezing to -86 °C, autoclavable, with lid and alphanumeric code</b> | 0030140591 |



# Protein LoBind® Tubes

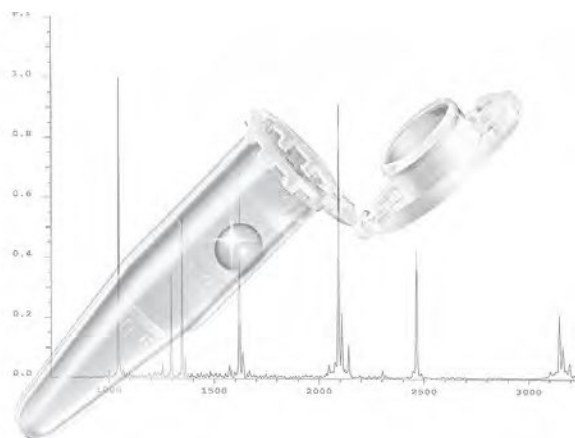


## Optimal Sample Recovery!

Eppendorf Protein LoBind Tubes are specifically designed for use in proteomics or other fields of protein research, where protein concentration tends to be very small and sample recovery is vital for assay results. Significantly more protein can be recovered for downstream analyses, and enzymes remain active.

## Product features

- Eppendorf LoBind material ensures optimized sample recovery for improved assay results
- Free of surface coating (e.g., silicone) to minimize the risk of sample interference
- Lot-certified PCR clean purity grade: free of human DNA, DNase, RNase and PCR inhibitors



## Order information

| Description                                                                                                                         | Order no.                  |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>Protein LoBind® Tubes</b> , screw cap, Protein LoBind®, 25 mL, PCR clean, colorless, 200 tubes (4 bags × 50 tubes)               | <a href="#">0030122283</a> |
| <b>Protein LoBind® Tubes</b> , SnapTec® cap, Protein LoBind®, 25 mL, PCR clean, colorless, 200 tubes (5 bags × 40 tubes)            | <a href="#">0030108531</a> |
| <b>Protein LoBind® Tubes</b> , snap cap, Protein LoBind®, 0.5 mL, PCR clean, colorless, 100 tubes (2 bags × 50 tubes)               | <a href="#">0030108094</a> |
| <b>Protein LoBind® Tubes</b> , snap cap, Protein LoBind®, 1.5 mL, PCR clean, colorless, 100 tubes (2 bags × 50 tubes)               | <a href="#">0030108116</a> |
| <b>Protein LoBind® Tubes</b> , snap cap, Protein LoBind®, 2.0 mL, PCR clean, colorless, 100 tubes (2 bags × 50 tubes)               | <a href="#">0030108132</a> |
| <b>Protein LoBind® Tubes</b> , snap cap, Protein LoBind®, 5.0 mL, PCR clean, colorless, 100 tubes (2 bags × 50 tubes)               | <a href="#">0030108302</a> |
| <b>Protein LoBind® Tubes</b> , screw cap, Protein LoBind®, 5.0 mL, PCR clean, colorless, 200 tubes (2 bags × 100 tubes)             | <a href="#">0030122356</a> |
| <b>Protein LoBind® Tubes</b> , screw cap, Protein LoBind®, 15 mL, conical tube, PCR clean, colorless, 200 tubes (4 bags × 50 tubes) | <a href="#">0030122216</a> |
| <b>Protein LoBind® Tubes</b> , screw cap, Protein LoBind®, 50 mL, conical tube, PCR clean, colorless, 200 tubes (8 bags × 25 tubes) | <a href="#">0030122240</a> |



# DNA LoBind® Tubes



## Improved Reproducibility!

DNA LoBind Tubes maximize sample recovery of nucleic acids by significantly reducing sample-to-surface binding. The ideal solution for sample preparation and long-term storage of your precious samples!

## Product features

- Eppendorf LoBind material ensures optimized sample recovery for improved assay results
- Free of surface coating (e.g., silicone) to minimize the risk of sample interference
- Lot-certified PCR clean purity grade: free of human DNA, DNase, RNase and PCR inhibitors

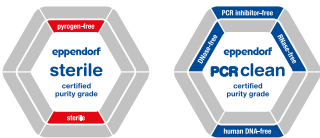
PCR clean purity grade

## Order information

| Description                                                                                                                     | Order no.                  |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>DNA LoBind® Tubes</b> , screw cap, DNA LoBind®, 25 mL, PCR clean, colorless, 200 tubes (4 bags × 50 tubes)                   | <a href="#">0030122275</a> |
| <b>DNA LoBind® Tubes</b> , SnapTec® cap, DNA LoBind®, 25 mL, conical tubes, PCR clean, colorless, 200 tubes (5 bags × 40 tubes) | <a href="#">0030108523</a> |
| <b>DNA LoBind® Tubes</b> , snap cap, DNA LoBind®, 0.5 mL, PCR clean, colorless, 1 bag × 500 tubes                               | <a href="#">0030108400</a> |
| <b>DNA LoBind® Tubes</b> , snap cap, DNA LoBind®, 1.5 mL, PCR clean, colorless, 1 bag × 500 tubes                               | <a href="#">0030108418</a> |
| <b>DNA LoBind® Tubes</b> , snap cap, DNA LoBind®, 2.0 mL, PCR clean, colorless, 1 bag × 500 tubes                               | <a href="#">0030108426</a> |
| <b>DNA LoBind® Tubes</b> , snap cap, DNA LoBind®, 0.5 mL, PCR clean, colorless, 250 tubes (5 bags × 50 tubes)                   | <a href="#">0030108035</a> |
| <b>DNA LoBind® Tubes</b> , snap cap, DNA LoBind®, 1.5 mL, PCR clean, colorless, 250 tubes (5 bags × 50 tubes)                   | <a href="#">0030108051</a> |
| <b>DNA LoBind® Tubes</b> , snap cap, DNA LoBind®, 2.0 mL, PCR clean, colorless, 250 tubes (5 bags × 50 tubes)                   | <a href="#">0030108078</a> |
| <b>DNA LoBind® Tubes</b> , snap cap, DNA LoBind®, 5.0 mL, PCR clean, colorless, 200 tubes (4 bags × 50 tubes)                   | <a href="#">0030108310</a> |
| <b>DNA LoBind® Tubes</b> , screw cap, DNA LoBind®, 5.0 mL, PCR clean, colorless, 200 tubes (2 bags × 100 tubes)                 | <a href="#">0030122348</a> |
| <b>DNA LoBind® Tubes</b> , screw cap, DNA LoBind®, 15 mL, conical tubes, PCR clean, colorless, 200 tubes (4 bags × 50 tubes)    | <a href="#">0030122208</a> |
| <b>DNA LoBind® Tubes</b> , screw cap, DNA LoBind®, 50 mL, conical tubes, PCR clean, colorless, 200 tubes (8 bags × 25 tubes)    | <a href="#">0030122232</a> |



# Eppendorf Microplates



## Get More!

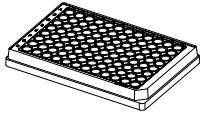
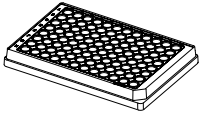
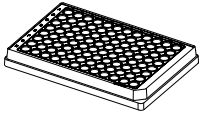
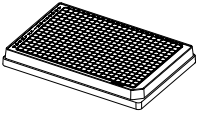
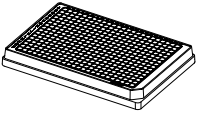
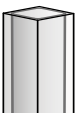
Experience a new dimension of transparency - the Eppendorf Microplates! It has never been this easy and reliable to pipette, control and recover samples with a polypropylene microplate. We offer a wide variety of plates which are highly robust making it easy to find the optimal solution for your application needs. Also available as barcoded versions.

## Product features

- g-Safe®: exceptional centrifugation stability up to 6,000 × g
- OptiTrack® Matrix: up to 30 % faster sample identification and fewer pipetting errors via high-contrast alphanumeric labeling
- RecoverMax® well design: Optimized well geometry for minimal remaining volume and excellent mixing properties

OptiTrack Matrix

## Technical specifications

|                       |  |  |  |  |  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Description           | Microplate 96/F                                                                     | Microplate 96/U                                                                     | Microplate 96/V                                                                      | Microplate 384/F                                                                      | Microplate 384/V-PP                                                                   |
| Number of wells       | 96 wells                                                                            | 96 wells                                                                            | 96 wells                                                                             | 384 wells                                                                             | 384 wells                                                                             |
| Working volume        | 50 – 350 µL                                                                         | 20 – 320 µL                                                                         | 20 – 320 µL                                                                          | 10 – 120 µL                                                                           | 10 – 120 µL                                                                           |
| Total volume per well | 400 µL                                                                              | 360 µL                                                                              | 350 µL                                                                               | 150 µL                                                                                | 150 µL                                                                                |
|                       |  |  |   |  |  |
| Bottom shape          | F bottom                                                                            | U bottom                                                                            | V bottom                                                                             | F bottom                                                                              | conical                                                                               |

## Order information

| Description                                                    | Order no.  |
|----------------------------------------------------------------|------------|
| <b>Microplate 96/F</b> , wells clear, RecoverMax well design®  |            |
| PCR clean, white, 80 plates (5 bags × 16 plates)               | 0030601106 |
| sterile, white, 80 plates (5 bags × 16 plates)                 | 0030602102 |
| <b>Microplate 96/U</b> , wells clear, RecoverMax well design®  |            |
| PCR clean, white, 80 plates (5 bags × 16 plates)               | 0030601203 |
| sterile, white, 80 plates (5 bags × 16 plates)                 | 0030602200 |
| <b>Microplate 96/V</b> , wells clear, RecoverMax well design®  |            |
| PCR clean, white, 80 plates (5 bags × 16 plates)               | 0030601300 |
| sterile, white, 80 plates (5 bags × 16 plates)                 | 0030602307 |
| <b>Microplate 384/F</b> , wells clear, RecoverMax well design® |            |
| PCR clean, white, 80 plates (5 bags × 16 plates)               | 0030621107 |
| sterile, white, 80 plates (5 bags × 16 plates)                 | 0030622103 |
| <b>Microplate 384/V</b> , wells clear, RecoverMax well design® |            |
| PCR clean, white, 80 plates (5 bags × 16 plates)               | 0030621301 |
| sterile, white, 80 plates (5 bags × 16 plates)                 | 0030622308 |



# Eppendorf Assay/Reader Microplates



## Unique Clarity!

Elevate the sensitivity of your assays with the Eppendorf Assay/Reader Plates to a higher level! The plates offer an excellent signal-to-noise ratio, resulting in an extremely low detection limit. Whether fluorescence or chemiluminescence - select the optimal plate for your assay! Solid plates are suitable for top-reading plates readers. Clear plates and black/clear plates can be used with top- and bottom-reading plates readers.

## Product features

- Black Eppendorf Microplates offer an excellent signal-to-noise ratio – for clear signals even with low-concentration samples
- White Eppendorf Microplates are optimized for highest sensitivity in the detection of luminescence signals by maximizing reflection
- Solid black and white assay plates are made of polypropylene resulting in high resistance to chemicals, mechanical stress, and temperature extremes

Microplate technology

## Order information

| Description                                      | Order no.                  |
|--------------------------------------------------|----------------------------|
| <b>Microplate 96/F</b> , wells white             |                            |
| PCR clean, gray, 80 plates (5 bags × 16 plates)  | <a href="#">0030601475</a> |
| <b>Microplate 96/U</b> , wells white             |                            |
| PCR clean, gray, 80 plates (5 bags × 16 plates)  | <a href="#">0030601572</a> |
| <b>Microplate 96/V</b> , wells white             |                            |
| PCR clean, gray, 80 plates (5 bags × 16 plates)  | <a href="#">0030601670</a> |
| <b>Microplate 384/V</b> , wells white            |                            |
| PCR clean, gray, 80 plates (5 bags × 16 plates)  | <a href="#">0030621670</a> |
| <b>Microplate 96/F</b> , wells black             |                            |
| PCR clean, white, 80 plates (5 bags × 16 plates) | <a href="#">0030601700</a> |
| <b>Microplate 96/U</b> , wells black             |                            |
| PCR clean, white, 80 plates (5 bags × 16 plates) | <a href="#">0030601807</a> |
| <b>Microplate 96/V</b> , wells black             |                            |
| PCR clean, white, 80 plates (5 bags × 16 plates) | <a href="#">0030601904</a> |
| <b>Microplate 384/V</b> , wells black            |                            |
| PCR clean, white, 80 plates (5 bags × 16 plates) | <a href="#">0030621905</a> |





# Eppendorf Deepwell Plates



### Precision and Accuracy!

Eppendorf Deepwell Plates 96 and 384 are high performance plates fulfilling highest requirements of all manual and automated applications. They combine innovative features, like the OptiTrack® matrix, with thoroughgoing quality for which Eppendorf consumables are globally known as a premium standard. Also available as barcoded versions.

### Product features

- OptiTrack® matrix: up to 30 % faster sample identification and fewer pipetting errors via high-contrast alphanumeric labeling
- RecoverMax® well design: Optimized well geometry for maximum sample recovery and excellent mixing properties
- g-Safe®: exceptional centrifugation stability up to 6,000 × g for faster protocols and improved sample quality

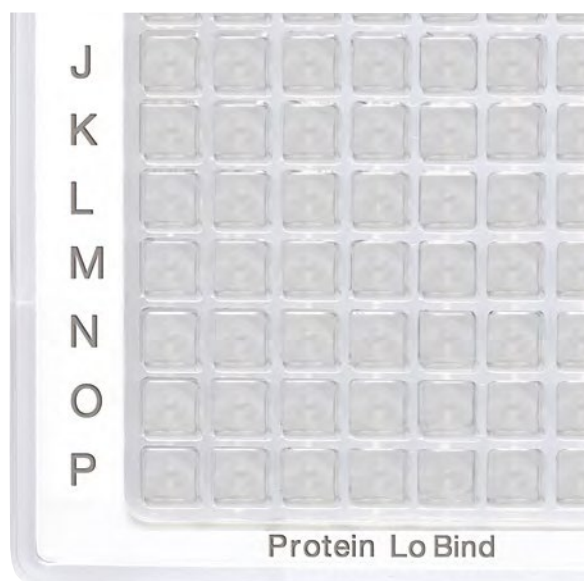
OptiTrack® matrix

| Order information                                        |                            |
|----------------------------------------------------------|----------------------------|
| Description                                              | Order no.                  |
| <b>Deepwell Plate 96/500 µL</b> , wells clear, 500 µL    |                            |
| PCR clean, white, 40 plates (5 bags × 8 plates)          | <a href="#">0030501101</a> |
| PCR clean, yellow, 40 plates (5 bags × 8 plates)         | <a href="#">0030501110</a> |
| PCR clean, green, 40 plates (5 bags × 8 plates)          | <a href="#">0030501136</a> |
| PCR clean, blue, 40 plates (5 bags × 8 plates)           | <a href="#">0030501144</a> |
| PCR clean, white, 120 plates (10 bags × 12 plates)       | <a href="#">0030505107</a> |
| sterile, white, 40 plates (5 bags × 8 plates)            | <a href="#">0030502108</a> |
| sterile, yellow, 40 plates (5 bags × 8 plates)           | <a href="#">0030502116</a> |
| sterile, green, 40 plates (5 bags × 8 plates)            | <a href="#">0030502132</a> |
| sterile, blue, 40 plates (5 bags × 8 plates)             | <a href="#">0030502140</a> |
| sterile, white, 120 plates (10 bags × 12 plates)         | <a href="#">0030506103</a> |
| <b>Deepwell Plate 96/1000 µL</b> , wells clear, 1,000 µL |                            |
| PCR clean, white, 20 plates (5 bags × 4 plates)          | <a href="#">0030501209</a> |
| PCR clean, yellow, 20 plates (5 bags × 4 plates)         | <a href="#">0030501217</a> |
| PCR clean, green, 20 plates (5 bags × 4 plates)          | <a href="#">0030501233</a> |
| PCR clean, blue, 20 plates (5 bags × 4 plates)           | <a href="#">0030501241</a> |
| PCR clean, white, 80 plates (10 bags × 8 plates)         | <a href="#">0030505204</a> |
| sterile, white, 20 plates (5 bags × 4 plates)            | <a href="#">0030502205</a> |
| sterile, yellow, 20 plates (5 bags × 4 plates)           | <a href="#">0030502213</a> |
| sterile, green, 20 plates (5 bags × 4 plates)            | <a href="#">0030502230</a> |
| sterile, blue, 20 plates (5 bags × 4 plates)             | <a href="#">0030502248</a> |
| sterile, white, 80 plates (10 bags × 8 plates)           | <a href="#">0030506200</a> |
| <b>Deepwell Plate 96/2000 µL</b> , wells clear, 2,000 µL |                            |
| PCR clean, white, 20 plates (5 bags × 4 plates)          | <a href="#">0030501306</a> |
| PCR clean, yellow, 20 plates (5 bags × 4 plates)         | <a href="#">0030501314</a> |
| PCR clean, green, 20 plates (5 bags × 4 plates)          | <a href="#">0030501330</a> |
| PCR clean, blue, 20 plates (5 bags × 4 plates)           | <a href="#">0030501349</a> |
| PCR clean, white, 80 plates (10 bags × 8 plates)         | <a href="#">0030505301</a> |
| sterile, white, 20 plates (5 bags × 4 plates)            | <a href="#">0030502302</a> |
| sterile, yellow, 20 plates (5 bags × 4 plates)           | <a href="#">0030502310</a> |
| sterile, green, 20 plates (5 bags × 4 plates)            | <a href="#">0030502337</a> |
| sterile, blue, 20 plates (5 bags × 4 plates)             | <a href="#">0030502345</a> |
| sterile, white, 80 plates (10 bags × 8 plates)           | <a href="#">0030506308</a> |
| <b>Deepwell Plate 384/200 µL</b> , wells clear, 200 µL   |                            |
| PCR clean, white, 40 plates (5 bags × 8 plates)          | <a href="#">0030521102</a> |
| sterile, white, 40 plates (5 bags × 8 plates)            | <a href="#">0030522109</a> |
| PCR clean, white, 120 plates (10 bags × 12 plates)       | <a href="#">0030525108</a> |
| sterile, white, 120 plates (10 bags × 12 plates)         | <a href="#">0030526104</a> |





# Protein LoBind® Plates



## Optimized Sample Recovery!

Eppendorf Protein LoBind Plates are specifically designed for use in proteomics or other fields of protein research, where protein concentration tend to be very small and sample recovery is vital for assay results. Significantly more protein can be recovered for downstream analysis and enzymes remain active. Also available as barcoded versions.

## Product features

- Eppendorf LoBind material ensures excellent sample recovery for improved assay results
- Free of surface coating (e.g., silicone) to minimize the risk of sample interference
- Lot-certified PCR clean purity grade: free of human DNA, DNase, RNase and PCR inhibitors

Microplate handling

## Order information

| Description                                                                   | Order no.  |
|-------------------------------------------------------------------------------|------------|
| <b>Deepwell Plate 96/500 µL</b> , Protein LoBind®, wells colorless, 500 µL    |            |
| PCR clean, white, 40 plates (5 bags × 8 plates)                               | 0030504100 |
| PCR clean, yellow, 40 plates (5 bags × 8 plates)                              | 0030504119 |
| PCR clean, white, 120 plates (10 bags × 12 plates)                            | 0030508106 |
| <b>Deepwell Plate 96/1000 µL</b> , Protein LoBind®, wells colorless, 1,000 µL |            |
| PCR clean, white, 20 plates (5 bags × 4 plates)                               | 0030504208 |
| PCR clean, yellow, 20 plates (5 bags × 4 plates)                              | 0030504216 |
| PCR clean, white, 80 plates (10 bags × 8 plates)                              | 0030508203 |
| <b>Deepwell Plate 96/2000 µL</b> , Protein LoBind®, wells colorless, 2,000 µL |            |
| PCR clean, white, 20 plates (5 bags × 4 plates)                               | 0030504305 |
| <b>Deepwell Plate 384/200µL</b> , Protein LoBind®, wells colorless, 200 µL    |            |
| PCR clean, white, 40 plates (5 bags × 8 plates)                               | 0030524101 |
| PCR clean, white, 120 plates (10 bags × 12 plates)                            | 0030528107 |
| <b>Microplate 384/V-PP</b> , Protein LoBind®, wells clear, 140 µL             |            |
| PCR clean, white, 80 plates (5 bags × 16 plates)                              | 0030624300 |
| PCR clean, white, 240 plates (10 bags × 24 plates)                            | 0030628306 |



# DNA LoBind® Plates



## Improved Reproducibility!

DNA LoBind Plates maximize sample recovery of nucleic acids by significantly reducing sample-to-surface binding. The ideal solution for sample preparation and long-term storage of your precious samples! Also available as barcoded versions.

## Product features

- Eppendorf LoBind material ensures optimized sample recovery for improved assay results
- Free of surface coating (e.g. silicone) to minimize the risk of sample interference
- Lot-certified PCR clean puri<sup>ty</sup> grade: free of human DNA, DNase, RNase and PCR inhibitors

DNA LoBind plates

## Order information

| Description                                                                   | Order no.  |
|-------------------------------------------------------------------------------|------------|
| <b>Deepwell Plate 96/500µL</b> , DNA LoBind®, wells clear, 500 µL, LoBind®    |            |
| PCR clean, white, 40 plates (5 bags × 8 plates)                               | 0030503104 |
| PCR clean, blue, 40 plates (5 bags × 8 plates)                                | 0030503147 |
| PCR clean, white, 120 plates (10 bags × 12 plates)                            | 0030507100 |
| <b>Deepwell Plate 96/1000µL</b> , DNA LoBind®, wells clear, 1,000 µL, LoBind® |            |
| PCR clean, white, 20 plates (5 bags × 4 plates)                               | 0030503201 |
| PCR clean, blue, 20 plates (5 bags × 4 plates)                                | 0030503244 |
| PCR clean, white, 80 plates (10 bags × 8 plates)                              | 0030507207 |
| <b>Deepwell Plate 384/200µL</b> , DNA LoBind®, wells clear, 200 µL, LoBind®   |            |
| PCR clean, white, 40 plates (5 bags × 8 plates)                               | 0030523105 |
| PCR clean, white, 120 plates (10 bags × 12 plates)                            | 0030527100 |
| <b>Microplate 96/V-PP</b> , DNA LoBind®, wells clear, 350 µL, LoBind®         |            |
| PCR clean, white, 80 plates (5 bags × 16 plates)                              | 0030603303 |
| <b>Microplate 384/V-PP</b> , DNA LoBind®, wells clear, 140 µL, LoBind®        |            |
| PCR clean, white, 80 plates (5 bags × 16 plates)                              | 0030623304 |
| PCR clean, white, 240 plates (10 bags × 24 plates)                            | 0030627300 |



# Plate Accessories

## Sealing options for Sample Preparation and Storage

- Sealing Mats are reusables and can be autoclave. Sealing mats are suitable for short-term storage
- Heat Sealing Film and Foil for continuous locking with the best evaporation protection
- Foil products are made of aluminum, can be pierced, and protect light-sensitive samples



### Order information

| Description                                                                                          | Order no.  |
|------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Storage Film</b> , self-adhesive, PCR clean, 100 pcs. (2 bags × 50 pcs.)                | 0030127870 |
| <b>Eppendorf Storage Foil</b> , self-adhesive, PCR clean, 100 pcs.                                   | 0030127889 |
| <b>Eppendorf Sealing Mat</b> , for DWP 96/2000 , PCR clean, 50 pcs. (5 bags × 10 pcs.)               | 0030127960 |
| <b>Eppendorf Sealing Mat</b> , for DWP 96/1000 and DWP 96/500, PCR clean, 50 pcs. (5 bags × 10 pcs.) | 0030127978 |
| <b>Eppendorf Plates- Lid</b> , for MTP and DWP, PCR clean, 80 pcs. (5 bags × 16 pcs.)                | 0030131517 |
| <b>Eppendorf Plates- Lid</b> , for MTP and DWP, sterile, 80 pcs. (5 bags × 16 pcs.)                  | 0030131525 |
| <b>Eppendorf Heat Sealing Film</b> , PCR clean, 100 pcs.                                             | 0030127838 |
| <b>Eppendorf Heat Sealing Foil</b> , PCR clean, 100 pcs.                                             | 0030127854 |

## Eppendorf Tube and Cuvette Racks

- Made from high quality polypropylene (PP):
  - Ensuring dimensional stability across a broad temperature range (-86° C to 121° C)
  - Providing chemical resistance
- The racks are UV-light resistant
- Six different formats always offer the optimal choice for all common tubes and cuvettes

### Ordering information



### Order information

| Description                                                                                                                                                      | Order no.  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Tube Rack</b> , 48 positions, for 0.5 mL tubes, polypropylene, numbered positions, autoclavable, 2 pcs.                                             | 0030119800 |
| <b>Eppendorf Tube Rack</b> , 12 positions, for 5.0 mL and 15 mL tubes, polypropylene, numbered positions, autoclavable, 2 pcs.                                   | 0030119827 |
| <b>Eppendorf Tube Rack</b> , 12 positions, 6 for 5.0 mL and 15 mL tubes and 6 for 25 mL and 50 mL tubes, polypropylene, numbered positions, autoclavable, 2 pcs. | 0030119835 |
| <b>Eppendorf Cuvette Rack</b> , 30 positions, for glass and plastic cuvettes, polypropylene, numbered positions, autoclavable, 2 pcs.                            | 0030119851 |
| <b>Eppendorf Tube Rack</b> , 36 positions, for cryogenic tubes, polypropylene, numbered positions, autoclavable, 2 pcs.                                          | 0030119843 |
| <b>Eppendorf Tube Rack</b> , 36 positions, for 1.5 mL and 2.0 mL tubes, polypropylene, numbered positions, autoclavable, 2 pcs.                                  | 0030119819 |



# Tubes and Cuvettes Accessories

## Micropestle

- Two sides for optimal fit in 1.5 mL and 2.0 mL vessels
- Autoclavable (121 °C, 20 min)



### Order information

#### Description

**Micropestle**, for resuspending pellets in 1.5/2.0 mL vessels, 10 pcs.

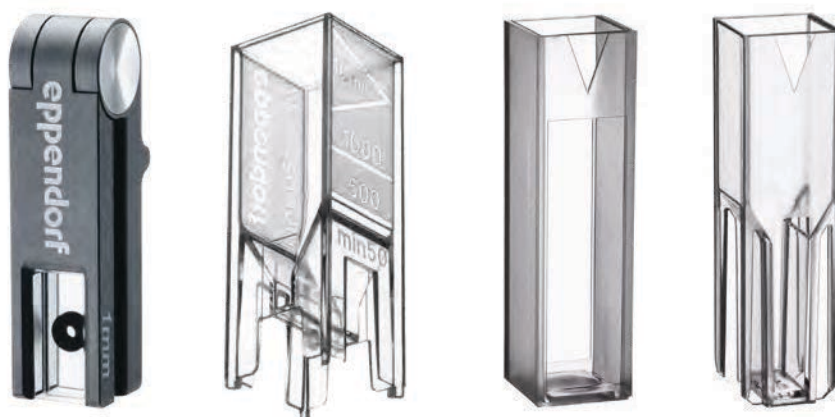
#### Order no.

0030120973

Microcentrifuge tubes



# Our Portfolio – Your Choice



| Model                                 | Eppendorf μCuvette-<br>G1.0             | Eppendorf UVette-                           | Macro Vis Cuvette                          | Semi-micro Vis Cuvette                     |
|---------------------------------------|-----------------------------------------|---------------------------------------------|--------------------------------------------|--------------------------------------------|
| Page(s)                               | 28                                      | 28                                          | 29                                         | 29                                         |
| dsDNA concentration range (UV 260 nm) | 25 ng/μL – 1,500 ng/μL                  | 2.5 ng/μL – 750 ng/μL                       | 1 pg/μL 1,000 pg/μL (Pico Green Assay)     | 1 pg/μL 1,000 pg/μL (Pico Green Assay)     |
| BSA concentration range (UV 280 nm)   | 758 ng/μL – 45,450 ng/μL                | 76 ng/μL – 22,725 ng/μL                     | 0.01 ng/μL – 0.01 μg/μL (NanoOrange Assay) | 0.01 ng/μL – 0.01 μg/μL (NanoOrange Assay) |
| Colorimetric protein assays           | yes                                     | yes                                         | yes                                        | yes                                        |
| OD 600 methods                        | no                                      | yes                                         | yes                                        | yes                                        |
| Fluorescence measurements             | yes                                     | yes                                         | yes                                        | yes                                        |
| UV transparency                       | >180 nm                                 | >220 nm                                     | –                                          | –                                          |
| Light transmission                    | 180 nm – 2,000 nm                       | 220 nm – 1,600 nm                           | 300 nm – 900 nm                            | 300 nm – 900 nm                            |
| Material                              | quartz glass (with hydrophobic coating) | UV-transparent plastic 0.49                 | PMMA                                       | PMMA                                       |
| Dimensions (W × D × H)                | 12.5 × 12.5 × 48 mm                     | 12.5 × 12.5 × 36 mm / 0.49 × 0.49 × 1.42 in | 12.5 × 12.5 × 45 mm                        | 12.5 × 12.5 × 45 mm                        |
| Temperature control                   | no                                      | no                                          | yes                                        | no                                         |
| Minimum filling volume                |                                         |                                             |                                            |                                            |
| in Eppendorf photometers              | 1.5 μL                                  | 50 μL                                       | 1,000 μL                                   | 400 μL                                     |
| in devices of other manufacturers     | –                                       | 50 μL                                       | 2,500 μL                                   | 1,500 μL                                   |
| Maximum filling volume                | 10 μL                                   | 2,000 μL                                    | 4,500 μL                                   | 3,000 μL                                   |
| Sample light path length              | 1 mm                                    | 2 mm and 10 mm                              | 10 mm                                      | 10 mm                                      |
| Cuvette blank                         | ≤0.05 A at 260 nm                       | ≤0.5 A at 260 nm                            | –                                          | –                                          |
| Height of light source                | 8.5 mm                                  | 8.5 mm <sub>10</sub>                        | all common cell heights                    | all common cell heights                    |
| Use in Eppendorf BioPhotometer®       | yes                                     | yes                                         | yes                                        | yes                                        |
| Use in Eppendorf BioSpectrometer®     | yes                                     | yes                                         | yes                                        | yes                                        |
| Use in devices of other manufacturers | no                                      | yes (adapters available)                    | yes                                        | yes                                        |



# Eppendorf $\mu$ Cuvette® G1.0



## One droplet is the limit?

The  $\mu$ Cuvette G1.0 is in your range: Only 1.5  $\mu$ L of a sample is needed. The optical path length of only 1 mm enables a light path that is 10x shorter than the light path on standard cuvettes: Measure high nucleic acid and protein concentrations.

## Product features

- Microvolume measuring cell for measuring 1.5 – 10  $\mu$ L sample volumes
- Concentration determination of nucleic acids and proteins, amongst other target analytes
- Measurement of highly concentrated samples without prior dilution

## Order information

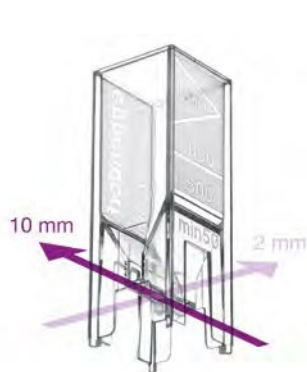
### Description

**Eppendorf  $\mu$ Cuvette® G1.0**, Microvolume measuring cell for Eppendorf BioPhotometer® and BioSpectrometer®

### Order no.

[6138000018](#)

# Eppendorf UVette®



## Working with very low amount of samples?

The UVette is a disposable UV/Vis cuvette with a light transmission of 220 nm to 1,600 nm for spectrophotometer and photometers. As an example of Eppendorf's expertise in the production of high quality consumables, the UVette offers superb purity, convenience and precision for photometric analysis. The unique shape of the UVette combines two optical light path lengths to offer greater flexibility.

## Product features

- Suitable for measuring small volumes ( $\geq 50$   $\mu$ L)
- UV and Vis measurements from 220 nm to 1,600 nm
- UV transparent plastic, free of fluoropolymers and other halogenated hydrocarbons

## Order information

### Description

**UVette® 220 nm – 1,600 nm**, original Eppendorf plastic cuvette, individually packed, (including RNase-free, DNase-free) and protein-free, PCR clean, 50 – 2,000  $\mu$ L, 80 pcs.

### Order no.

[0030106300](#)

**UVette® starter set**, 80 UVettes and 1 universal adapter for light path height 15 mm, convertible to 8.5 mm, 50 – 2,000  $\mu$ L

[4099100007](#)

**UVette® routine pack 220 nm – 1,600 nm**, reclosable box, Eppendorf Quality, 50 – 2,000  $\mu$ L, 200 pcs.

[0030106318](#)

**Adapter for UVette®**, for photometer/spectrophotometer with light path height

8.5 mm

[4099001009](#)

10 mm

[4099002005](#)

15 mm

[4099003001](#)

20 mm

[4099005004](#)

**Eppendorf Cuvette Rack**, 30 positions, for glass and plastic cuvettes, polypropylene, numbered positions, autoclavable, 2 pcs.

[0030119851](#)





# Eppendorf Vis Cuvettes



## Optimal Clarity!

The Eppendorf Vis Cuvettes are disposable cuvettes made of clear plastic with a light transmission of 300 nm to 900 nm. These cuvettes are perfect for applications outside of the UV range, such as colorimetric protein assays (Bradford, Lowry, etc.), determining of the optical density of bacterial cultures (OD600 methods), and kinetic and fluorescence measurements.

## Product features

- Two different cuvette sizes (semi-micro and macro) for a wide variety of volumes and applications
- Disposable cuvettes made of clear plastic with a light transmission of 300 nm to 900 nm

Optical measurements

## Order information

| Description                                                                                                                           | Order no.                  |
|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>Eppendorf macro Vis Cuvette</b> , plastic cuvette for measurements in the Vis range, max. filling volume 4,500 µL                  |                            |
| 1,000 cuvettes (10 boxes × 100 cuvettes)                                                                                              | <a href="#">0030079345</a> |
| <b>Eppendorf semi-micro Vis Cuvette</b> , plastic cuvette for measurements in the Vis range                                           |                            |
| max. filling volume 3,000 µL                                                                                                          | <a href="#">0030079353</a> |
| <b>Eppendorf Cuvette Rack</b> , 30 positions, for glass and plastic cuvettes, polypropylene, numbered positions, autoclavable, 2 pcs. | <a href="#">0030119851</a> |







# Eppendorf CryoStorage Vials



## Scanning labels of 20 vials in a row?

The SafeCode system for Eppendorf CryoStorage Vials is based on a 3-level coding to enable safe sample identification. Up to 96 pre-labeled vials are pre-racked and pre-capped for convenient usage.

## Product features

- 3-level coding for safe sample identification
- ECC 200 error correction function enables safe code reading with up to 25 % damaged codes
- Temperature range: -196 °C (gas phase of LN<sub>2</sub>) to +121 °C



## Order information

| Description                                                                                                                                                                                                                                                         | Order no.                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>Eppendorf CryoStorage Vial</b> , 0.5 mL, free of DNase, RNase, human DNA, endotoxin; external thread, pre-capped gray, with 2D SafeCode (DataMatrix/ECC200), linear and human readable code, 960 vials (10 racks × 96 vials), individually packed racks          | <a href="#">0030079400</a> |
| <b>Eppendorf CryoStorage Vial</b> , 1.0 mL, free of DNase, RNase, human DNA, endotoxin; external thread, pre-capped gray, with 2D SafeCode (DataMatrix/ECC200), linear and human readable code, 960 vials (10 racks × 96 vials), individually packed racks          | <a href="#">0030079418</a> |
| <b>Eppendorf CryoStorage Vial</b> , 1.5 mL, free of DNase, RNase, human DNA, endotoxin; external thread, pre-capped gray, with 2D SafeCode (DataMatrix/ECC200), linear and human readable code, 480 vials (10 racks × 48 vials), individually packed racks          | <a href="#">0030079426</a> |
| <b>Eppendorf CryoStorage Vial</b> , 2.0 mL, free of DNase, RNase, human DNA, endotoxin; external thread, pre-capped gray, with 2D SafeCode (DataMatrix/ECC200), linear and human readable code, 480 vials (10 racks × 48 vials), individually packed racks          | <a href="#">0030079434</a> |
| <b>Eppendorf CryoStorage Vial</b> , 4.0 mL, free of DNase, RNase, human DNA, endotoxin; external thread, pre-capped gray, with 2D SafeCode (DataMatrix/ECC200), linear and human readable code, 480 vials (10 racks × 48 vials), individually packed racks          | <a href="#">0030079442</a> |
| <b>Eppendorf CryoStorage Vial</b> , sterile, 0.5 mL, free of DNase, RNase, human DNA, endotoxin; external thread, pre-capped gray, with 2D SafeCode (DataMatrix/ECC200), linear and human readable code, 960 vials (10 racks × 96 vials), individually packed racks | <a href="#">0030079450</a> |
| <b>Eppendorf CryoStorage Vial</b> , sterile, 1.0 mL, free of DNase, RNase, human DNA, endotoxin; external thread, pre-capped gray, with 2D SafeCode (DataMatrix/ECC200), linear and human readable code, 960 vials (10 racks × 96 vials), individually packed racks | <a href="#">0030079469</a> |
| <b>Eppendorf CryoStorage Vial</b> , sterile, 1.5 mL, free of DNase, RNase, human DNA, endotoxin; external thread, pre-capped gray, with 2D SafeCode (DataMatrix/ECC200), linear and human readable code, 480 vials (10 racks × 48 vials), individually packed racks | <a href="#">0030079477</a> |
| <b>Eppendorf CryoStorage Vial</b> , sterile, 2.0 mL, free of DNase, RNase, human DNA, endotoxin; external thread, pre-capped gray, with 2D SafeCode (DataMatrix/ECC200), linear and human readable code, 480 vials (10 racks × 48 vials), individually packed racks | <a href="#">0030079485</a> |
| <b>Eppendorf CryoStorage Vial</b> , sterile, 4.0 mL, free of DNase, RNase, human DNA, endotoxin; external thread, pre-capped gray, with 2D SafeCode (DataMatrix/ECC200), linear and human readable code, 480 vials (10 racks × 48 vials), individually packed racks | <a href="#">0030079493</a> |



# SafeCode Tubes and Plates

**How often do you puzzle about tube labels while working at the bench?** A clean and stable label on the side or top of the vessel can make scientific life so much easier. Eppendorf tubes and plates are available with SafeCode - a well-designed barcoding system. Take advantage of the pre-labeled and durable 2-level coding of the SafeCode system (datamatrix code and clear coding) to enable safe sample identification. The plates provide a linear barcode, printed on 3 sides for highest flexibility. The safe sample ID is supported by online information about the dedicated consumable. These sets of vessels expand your safe sample management solution from the existing SafeCode CryoStorage Vials at -80 °C storage for complete security in your daily work at the bench.

**New**



## Small volumes required?

Eppendorf SafeCode tubes provide volume classes of 1.5, 2.0 mL, and 5.0 mL



## Process documentation required?

Identify your Eppendorf tube by SafeCode ID



## Product features

- 2-level coding for safe sample identification
- ECC 200 error correction function enables safe code reading with up to 25 % damaged codes
- Temperature range: -86 °C to +121 °C



**Safe sample identification needed?** Eppendorf SafeCode provides reliable sample IDs for safe identification



New



**Documentation for high-throughput applications needed?**  
Eppendorf SafeCode provides reliable material documentation like certificates via the vessel ID

**Documenting every step of your PCR?** Eppendorf SafeCode provides a broad range of documents based on the vessel ID

## SafeCode Tubes

### Order information

New  
New  
New

| Description                                                                                                                                                     | Order no.  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf Safe-Lock Tubes</b> , 1.5 mL, 2D SafeCode, PCR clean, colorless, 500 tubes (5 bags × 100 tubes)                                                    | 0030113403 |
| <b>Eppendorf Safe-Lock Tubes</b> , 2.0 mL, 2D SafeCode, PCR clean, colorless, 500 tubes (5 bags × 100 tubes)                                                    | 0030113446 |
| <b>Eppendorf Tubes® 5.0 mL</b> , 5.0 mL, 2D SafeCode, snap-cap, PCR clean, colorless, 200 tubes (2 bags × 100 tubes)                                            | 0030113462 |
| <b>Eppendorf Tubes® 5.0 mL</b> , 5.0 mL, 2D SafeCode, sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, 200 tubes (2 bags × 100 tubes)           | 0030113500 |
| <b>Eppendorf Conical Tubes</b> , 15 mL, 2D SafeCode, sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, 500 tubes (10 bags × 50 tubes) | 0030113489 |
| <b>Eppendorf Conical Tubes</b> , 50 mL, 2D SafeCode, sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free, colorless, 500 tubes (20 bags × 25 tubes) | 0030113497 |

## SafeCode Plates

### Order information

| Description                                                                                                                  | Order no.  |
|------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Deepwell Plate 96/500 µL</b> , wells clear, 500 µL, 2D SafeCode, PCR clean, white, 40 plates (5 bags × 8 plates)          | 0030113543 |
| <b>Deepwell Plate 96/1000 µL</b> , wells clear, 1,000 µL, 2D SafeCode, PCR clean, white, 20 plates (5 bags × 4 plates)       | 0030113535 |
| <b>Deepwell Plate 96/2000 µL</b> , wells clear, 2,000 µL, 2D SafeCode, PCR clean, white, 20 plates (5 bags × 4 plates)       | 0030113527 |
| <b>Deepwell Plate 384/200 µL</b> , wells clear, 200 µL, 2D SafeCode, PCR clean, white, 40 plates (5 bags × 8 plates)         | 0030113551 |
| <b>Eppendorf twin.tec® PCR Plate 96</b> , skirted, wells colorless, 2D SafeCode, PCR clean, colorless, 25 plates             | 0030113560 |
| <b>Eppendorf twin.tec® PCR Plate 384</b> , skirted, wells colorless, 2D SafeCode, PCR clean, colorless, 25 plates            | 0030113578 |
| <b>Eppendorf twin.tec® PCR Plate 96</b> , skirted, wells colorless, 2D SafeCode, PCR clean, blue, 25 plates                  | 0030113624 |
| <b>Eppendorf twin.tec® PCR Plate 96</b> , skirted, wells colorless, 2D SafeCode, PCR clean, green, 25 plates                 | 0030113616 |
| <b>Eppendorf twin.tec® PCR Plate 96</b> , skirted, wells colorless, 2D SafeCode, PCR clean, red, 25 plates                   | 0030113632 |
| <b>Microplate 96/V</b> , wells clear, 2D SafeCode, RecoverMax® well design, PCR clean, white, 80 plates (5 bags × 16 plates) | 0030113586 |
| <b>Microplate 384/V</b> , wells clear, 2D SafeCode, RecoverMax® well design, PCR clean, white, 80 (5 × 16)                   | 0030113594 |

# eppendorf

## Centrifuges portfolio.





# Centrifuges and Rotors



We introduced our very first centrifuge in 1964 as an integral part of the Eppendorf Microliter System, and revolutionized life science research practices worldwide. To this day, the Eppendorf name remains synonymous with creative design, innovative technology and reliable performance that stand the test of time.

The Eppendorf approach to product development is about listening to our customers' needs, understanding daily laboratory routines and anticipating future trends. The result is a comprehensive line of centrifuges that fulfill the demands for a wide range of applications. Our goal is to provide you with a product solution that not only leaves you thoroughly satisfied but that is also comfortable and easy to use. That is why Eppendorf centrifuges are designed to go beyond speed and capacity to offer you unparalleled ergonomic operation and superior temperature management. With this sound foundation and our extensive experience, Eppendorf is proud to serve you as your expert partner in centrifugation.

## Our Centrifuge Portfolio – Your Centrifuge Solution

From your personal 12-place microcentrifuge to compact and super-versatile benchtop centrifuges to high-speed and ultracentrifuges, our portfolio offers comprehensive solutions for all your separation applications in the areas of molecular biology, biochemistry, cell biology and material science.

### Microcentrifuges



### General purpose centrifuges



Whether you wish to spin just a few tubes at a time or you require extra versatility for volumes up to four liters or high-throughput of tubes and plates, the Eppendorf benchtop centrifuge portfolio offers solutions for your daily separation tasks.



### Multipurpose centrifuges



### High-Speed centrifuges



### Ultracentrifuges



Looking to process more than four liters per run? Do you need increased speeds up to 110,000 x g? In either case, you will find our high-speed floorstanding centrifuges are your best choice. For super-speed applications requiring up to 1,050,000 x g, our range of innovative and user-friendly ultracentrifuges provide the perfect solution.





# MiniSpin®/MiniSpin® plus

## Description

MiniSpin® and MiniSpin® plus are entry-level mini centrifuges that are powerful, easy-to-use and small enough to allow individual workstations to be equipped with a portable centrifuge.



## Product features

- Rotor capacity: 12 × 1.5/2.0 mL vessels, 2 × 8-tube PCR strips
- Max. speed: 14,100 × g (14,500 rpm)
- Extremely compact footprint

## Special features for MiniSpin plus

- Automatic rpm/rcf conversion
- Extended time to 99 min or continuous centrifugation



### Rotor F-45-12-11

- for 12 x 1.5/2.0 mL tubes



### Rotor F-55-16-5 PCR

- for 2 x PCR strips

## Order information

| Description                                                                                                                         | Order no.  |
|-------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Centrifuge MiniSpin®</b> , keypad, non-refrigerated, with Rotor F-45-12-11, 230 V/50 – 60 Hz (EU)                                | 5452000010 |
| <b>Centrifuge MiniSpin® plus</b> , keypad, non-refrigerated, with Rotor F-45-12-11, 230 V/50 – 60 Hz (EU)                           | 5453000015 |
| <b>Rotor F-45-12-11</b> , angle 45°, 12 places, max. tube diameter 11 mm, incl. rotor lid and rotor nut, MiniSpin-/MiniSpin® plus   | 5452720008 |
| <b>Rotor F-55-16-5 PCR</b> , angle 55°, 16 places, max. tube diameter 5 mm, incl. rotor lid (aluminum), MiniSpin-/MiniSpin® plus    | 5452727007 |
| <b>Adapter</b> , for 1 PCR tube (0.2 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.                                            | 5425715005 |
| <b>Adapter</b> , for 1 micro test tube (0.4 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.                                     | 5425717008 |
| <b>Adapter</b> , for 1 sample tube (0.5 mL, max. Ø 8 mm) or 1 Microtainer® (0.6 mL, max. Ø 8 mm), for all 1.5/2.0 mL rotors, 6 pcs. | 5425716001 |



# Centrifuge 5418 R



## Description

Centrifuge 5418 R is an 18-place microcentrifuge that is specifically designed for low to medium capacity in 1.5/2.0 mL tubes and Microtainer®. The speed of up to 16,873 × g allows for standard molecular biology applications.

## Product features

- Max. rotor capacity: 18 × 1.5/2.0 mL vessels
- Max. speed: 16,873 × g (14,000 rpm)
- Small footprint and low access height of 23 cm



## Adapter for BD Microtainer® and 0.5 mL tubes

- The adapter can be used with every Eppendorf rotor for 1.5/2.0 mL tubes



## Rotor FA-45-18-11

- for 18 × 1.5/2.0 mL tubes, comes standard with unique Eppendorf QuickLock® aerosol-tight lid for fast and reliable locking



## Adapter for 0.2 mL PCR Tubes

- Ideal to spin down PCR Tubes after reaction setup. Adapter fits in any Eppendorf 1.5/2.0 mL rotor

## Order information

| Description                                                                                                                         | Order no.  |
|-------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Centrifuge 5418 R</b> , rotary knobs, refrigerated, with Rotor FA-45-18-11 and rotor lid, 230 V/50 – 60 Hz (EU)                  | 5401000010 |
| <b>Rotor FA-45-18-11</b> , aerosol-tight, 45° angle, 18 places, max. tube Ø 11 mm, incl. rotor lid (aluminum)                       | 5418707005 |
| <b>Adapter</b> , for 1 PCR tube (0.2 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.                                            | 5425715005 |
| <b>Adapter</b> , for 1 sample tube (0.5 mL, max. Ø 8 mm) or 1 Microtainer® (0.6 mL, max. Ø 8 mm), for all 1.5/2.0 mL rotors, 6 pcs. | 5425716001 |
| <b>Adapter</b> , for 1 micro test tube (0.4 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.                                     | 5425717008 |





# Centrifuge 5420



### Description

Centrifuge 5420 supports your nucleic acid purification and gel-extraction workflows. This centrifuge offers 24-place capacity in an aerosol-tight rotor and speeds up to  $21,300 \times g$  in a small footprint.

### Product features

- Standard rotor for up to 24 x 1.5 and 2.0 mL tubes
- Rotor option for up to 32 x 0.2 mL PCR tubes or 4 x 8-place PCR strips
- Adapters for 0.2, 0.4 and 0.5 mL tubes as well as 0.6 mL BD Microtainer®



### Rotor FA-24x2

- Max. speed:  $21,300 \times g$  (15,060 rpm)
- Max. capacity: 24 x 1.5/2.0 mL tubes
- Aerosol-tight



### Rotor F-32x0.2-PCR

- Max. speed:  $18,257 \times g$  (15,060 rpm)
- Max capacity: 4 x PCR strips or 32 x PCR tubes (0.2 mL)

Centrifuges

| Order information                                                                                                           |            |
|-----------------------------------------------------------------------------------------------------------------------------|------------|
| Description                                                                                                                 | Order no.  |
| Centrifuge 5420, keypad, non-refrigerated, without rotor, 230 V/50 – 60 Hz (EU)                                             | 5420000318 |
| Centrifuge 5420, keypad, non-refrigerated, with aerosol-tight Rotor FA-24x2, 230 V/50 – 60 Hz (EU)                          | 5420000113 |
| Rotor F-32x0.2-PCR, incl. rotor lid, for 32 x 0.2 mL PCR tubes or 4 x 8 PCR tube strips, for 5420                           | 5495404007 |
| Rotor FA-24x2, aerosol-tight, incl. rotor lid, aerosol-tight, for 24 x 1.5/2.0 mL tubes, for 5420                           | 5495400001 |
| Adapter, for 1 PCR tube (0.2 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.                                            | 5425715005 |
| Adapter, for 1 sample tube (0.5 mL, max. Ø 8 mm) or 1 Microtainer® (0.6 mL, max. Ø 8 mm), for all 1.5/2.0 mL rotors, 6 pcs. | 5425716001 |
| Adapter, for 1 micro test tube (0.4 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.                                     | 5425717008 |



# Centrifuge 5425/5425 R



**Description**  
Eppendorf microcentrifuges 5425 and 5425 R are true laboratory standards. These whisper quiet 24-place microcentrifuges offer an outstanding set of features for a broad range of molecular and cell biology applications in Eppendorf and PCR tubes from 0.2 to 5 mL. The refrigerated Centrifuge 5425 R provides precise temperature control for processing temperature-sensitive samples with its advanced cooling system.

- Product features**
- Aerosol-tight Eppendorf QuickLock® lids for simple and safe handling
  - Outstanding software features (e.g. adjustable acceleration and braking ramps, 3 program buttons (only Centrifuge 5425), short function without continuous pressing of the key)
  - Extended rotor program (e.g. 5.0 mL rotor, swing-bucket rotor for PCR strips)

## Main Features



- Enhanced convenience**
- One push short-spin key – no need to hold key all the while



- Improved ergonomics**
- Eppendorf QuickLock® rotors for ergonomic lid locking
  - Closes with only a 1/4 turn and takes repetitive stress of your wrist



- Increased versatility**
- Swing-bucket rotor for divisible plates to speed up your PCR/qPCR setup
  - 10-place 5.0 mL rotor for screw cap and snap lid tubes

Centrifuges

| Order information                                                                                                          |            |
|----------------------------------------------------------------------------------------------------------------------------|------------|
| Description                                                                                                                | Order no.  |
| Centrifuge 5425, keypad, non-refrigerated, without rotor, 230 V/50 – 60 Hz (EU)                                            | 5405000310 |
| Centrifuge 5425, rotary knobs, non-refrigerated, without rotor, 230 V/50 – 60 Hz (EU)                                      | 5405000719 |
| Centrifuge 5425, keypad, non-refrigerated, with Rotor FA-24x2, 230 V/50 – 60 Hz (EU)                                       | 5405000115 |
| Centrifuge 5425, rotary knobs, non-refrigerated, with Rotor FA-24x2, 230 V/50 – 60 Hz (EU)                                 | 5405000514 |
| Centrifuge 5425, rotary knobs, non-refrigerated, Molecular Biology Solution, with Rotor FA-18x2-Kit, 230 V/50 – 60 Hz (EU) | 5405000174 |
| Centrifuge 5425 R, keypad, refrigerated, without rotor, 230 V/50 – 60 Hz (EU)                                              | 5406000313 |
| Centrifuge 5425 R, rotary knobs, refrigerated, without rotor, 230 V/50 – 60 Hz (EU)                                        | 5406000712 |
| Centrifuge 5425 R, keypad, refrigerated, with Rotor FA-24x2, 230 V/50 – 60 Hz (EU)                                         | 5406000119 |
| Centrifuge 5425 R, rotary knobs, refrigerated, with Rotor FA-24x2, 230 V/50 – 60 Hz (EU)                                   | 5406000518 |



# Rotors for Centrifuge 5425/5425R



## Rotors FA-24x2

- Max. speed: 21,300 × g (15,060 rpm)
- Max. capacity: 24 × 1.5/2.0 mL tubes
- Aerosol-tight with Eppendorf QuickLock® lid



## Rotor FA-24x2-PTFE

- Max. speed: 21,300 × g (15,060 rpm)
- Max. capacity: 24 × 1.5/2.0 mL tubes
- Aerosol-tight with Eppendorf QuickLock® lid
- PTFE coating for increased chemical resistance



## Rotor FA-10x5

- Max. speed: 21,300 × g (15,060 rpm)
- Max capacity: 10 × Eppendorf Tubes® 5.0 mL
- Aerosol-tight with Eppendorf QuickLock® lid



## Rotor FA-18x2 Kit

- Max. speed: 18,565 × g (15,060 rpm)
- Rotor with higher edge for safe centrifugation of up to 18 spin columns
- Aerosol-tight with Eppendorf QuickLock® lid



## Rotor F-32x0.2-PCR

- Max. speed: 18,134 × g (15,060 rpm)
- for 4 × PCR strips or 32 × PCR tubes (0.2 mL)



## Rotor 96x0.2-PCR

- Max. speed: 3,217 × g (6,000 rpm)
- Unique swing bucket rotor for 12 × 8 PCR strips 0.1/0.2 mL or 4 × 1/4 twin.tec® PCR plate 96, unskirted divisible or 96 × PCR tubes 0.2 mL

### Order information

| Description                                                                                                                         | Order no.  |
|-------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Rotor FA-24x2</b> , aerosol-tight, incl. rotor lid, for 24 × 1.5/2.0 mL tubes                                                    | 5495500006 |
| <b>Rotor FA-24x2-PTFE</b> , aerosol-tight, incl. rotor lid, PTFE coated, for 24 × 1.5/2.0 mL tubes                                  | 5495503005 |
| <b>Rotor FA-10x5</b> , aerosol-tight, incl. rotor lid, for 10 × 5.0 mL tubes (snap and screw cap)                                   | 5495505008 |
| <b>Rotor FA-18x2-Kit</b> , aerosol-tight, incl. rotor lid, for 18 × 1.5/2.0 mL tubes or spin columns                                | 5495508007 |
| <b>Rotor F-32x0.2-PCR</b> , incl. rotor lid, for 32 × 0.2 mL PCR tubes or 4 × 8 PCR strips                                          | 5495510001 |
| <b>Rotor S-96x0.2-PCR</b> , for 96 × 0.2 mL PCR tubes or 12 × 8 PCR strips, incl. buckets                                           | 5495512004 |
| <b>Adapter</b> , for 1 PCR tube (0.2 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.                                            | 5425715005 |
| <b>Adapter</b> , for 1 sample tube (0.5 mL, max. Ø 8 mm) or 1 Microtainer® (0.6 mL, max. Ø 8 mm), for all 1.5/2.0 mL rotors, 6 pcs. | 5425716001 |
| <b>Adapter</b> , for 1 vessel 1.5 – 2.0 mL, for all 5.0 mL rotors, 4 pcs.                                                           | 5820768002 |
| <b>Adapter</b> , for 1 cryo tube, for all 5.0 mL rotors, 4 pcs.                                                                     | 5820769009 |
| <b>Adapter</b> , for 1 HPLC tube, for all 5.0 mL rotors, 4 pcs.                                                                     | 5820770007 |
| <b>Adapter</b> , for 1 micro test tube (0.4 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.                                     | 5425717008 |



# Centrifuge 5427 R

New



### Description

Eppendorf Centrifuge 5427 R is a high-speed, refrigerated microcentrifuge for highthroughput research. It doubles your tube capacity compared to a standard 24-place microcentrifuge thanks to its 48-place double-row rotor, while contributing to a more sustainable lab environment with its natural refrigerant.

### Product features

- Cooled with natural refrigerant (R290) to protect your samples - and the planet
- Rotor capacity: 48 × 1.5/2.0 mL, 12 × 5.0 mL; Eppendorf QuickLock® rotor allows for fast and ergonomic lid locking
- Max. speed: 25,001 × g (16,220 rpm)



### Order information

| Description                                                                                  | Order no.  |
|----------------------------------------------------------------------------------------------|------------|
| Centrifuge 5427 R, rotary knobs, refrigerated, without rotor, 230 V/50 – 60 Hz (EU)          | 5429000010 |
| Centrifuge 5427 R, rotary knobs, refrigerated, with Rotor FA-45-30-11, 230 V/50 – 60 Hz (EU) | 5429000310 |
| Centrifuge 5427 R, rotary knobs, refrigerated, with Rotor FA-45-48-11, 230 V/50 – 60 Hz (EU) | 5429000210 |

Centrifuges



### Rotor S-24-11-AT

- Max. speed: 16,049 × g (12,700 rpm)
- Swing-bucket rotor for 24 × 1.5/2.0 mL tubes
- Aerosol-tight with Eppendorf QuickLock® lid



### Rotor FA-45-12-17

- Max. speed: 20,598 × g (14,000 rpm)
- Max capacity: 12 × Eppendorf Tubes® 5.0 mL
- Aerosol-tight with Eppendorf QuickLock® lid



### Rotor F-45-48-5-PCR

- Max. speed: 11,710 × g (10,500 rpm)
- PCR strip rotor for up to 48 × 0.2 mL PCR tubes

Rotor options continued on next page.





# Rotors for Centrifuge 5427 R



## Rotor F-45-48-11

- Max. speed: 18,213 × g (12,700 rpm)
- Max. capacity: 48 × 1.5/2.0 mL tubes



## Rotor FA-45-48-11

- Max. speed: 18,213 × g (12,700 rpm)
- Max. capacity: 48 × 1.5/2.0 mL tubes
- Aerosol-tight with Eppendorf QuickLock® lid



## Rotor FA-45-30-11

- Max. speed: 20,817 × g (14,000 rpm)
- Max. capacity: 30 × 1.5/2.0 mL tubes
- Aerosol-tight with Eppendorf QuickLock® lid



## Rotor F-45-30-11

- Max. speed: 20,817 × g (14,000 rpm)
- Max. capacity: 30 × 1.5/2.0 mL tubes



## Rotor FA-45-24-11

- Max. speed: 25,001 × g (16,220 rpm)
- Max. capacity: 24 × 1.5/2.0 mL tubes
- Aerosol-tight with Eppendorf QuickLock® lid



## Rotor FA-45-24-11-Kit

- Max. speed: 19,090 × g (13,200 rpm)
- Rotor with higher rim for safe centrifugation of up to 24 spin columns
- Aerosol-tight with Eppendorf QuickLock® lid

### Order information

| Description                                                                                                                         | Order no.  |
|-------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Rotor FA-45-48-11</b> , aerosol-tight, incl. rotor lid, for 5427R                                                                | 5409710001 |
| <b>Rotor F-45-48-11</b> , incl. rotor lid, aluminum                                                                                 | 5409712004 |
| <b>Rotor FA-45-30-11</b> , aerosol-tight, incl. rotor lid, aluminum                                                                 | 5409706004 |
| <b>Rotor F-45-30-11</b> , incl. rotor lid, aluminum                                                                                 | 5409708007 |
| <b>Rotor FA-45-24-11</b> , aerosol-tight, incl. rotor lid, aluminum                                                                 | 5409702009 |
| <b>Rotor FA-45-24-11-Kit</b> , aerosol-tight, incl. rotor lid, aluminum                                                             | 5409704001 |
| <b>Rotor S-24-11-AT</b> , aerosol-tight, stainless steel                                                                            | 5409715003 |
| <b>Rotor F-45-48-5-PCR</b> , aluminum                                                                                               | 5409714007 |
| <b>Rotor FA-45-12-17</b> , aerosol-tight, incl. rotor lid, aluminum                                                                 | 5409700006 |
| <b>Adapter</b> , for 1 PCR tube (0.2 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.                                            | 5425715005 |
| <b>Adapter</b> , for 1 sample tube (0.5 mL, max. Ø 8 mm) or 1 Microtainer® (0.6 mL, max. Ø 8 mm), for all 1.5/2.0 mL rotors, 6 pcs. | 5425716001 |
| <b>Adapter</b> , for 1 vessel 1.5 – 2.0 mL, for all 5.0 mL rotors, 4 pcs.                                                           | 5820768002 |
| <b>Adapter</b> , for 1 cryo tube, for all 5.0 mL rotors, 4 pcs.                                                                     | 5820769009 |
| <b>Adapter</b> , for 1 HPLC tube, for all 5.0 mL rotors, 4 pcs.                                                                     | 5820770007 |
| <b>Adapter</b> , for 1 micro test tube (0.4 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.                                     | 5425717008 |



# Centrifuge 5430/5430 R



### Description

Combine the best of both worlds with Centrifuge 5430 and 5430 R. These high-speed centrifuges have the small footprint of a microcentrifuge and the versatility of a multipurpose centrifuge.

### Product features

- Max. rotor capacity: 48 × 1.5/2.0 mL, 6 × 50 mL, 2 × MTP
- Max. speed: 30,130 × g (17,500 rpm)
- Remarkable versatility with 12 different rotors

### Order information

| Description                                                                                                                       | Order no.  |
|-----------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Centrifuge 5430</b> , keypad, non-refrigerated, without rotor, 230 V/50 – 60 Hz (EU)                                           | 5427000015 |
| <b>Centrifuge 5430</b> , rotary knobs, non-refrigerated, without rotor, 230 V/50 – 60 Hz (EU)                                     | 5427000610 |
| <b>Centrifuge 5430</b> , keypad, non-refrigerated, with Rotor FA-45-30-11 incl. rotor lid, 230 V/50 – 60 Hz (EU)                  | 5427000210 |
| <b>Centrifuge 5430</b> , rotary knobs, non-refrigerated, with Rotor FA-45-30-11 incl. rotor lid, 230 V/50 – 60 Hz (EU)            | 5427000415 |
| <b>Centrifuge 5430</b> , rotary knobs, non-refrigerated, Low-Throughput Plate Solution, with Rotor A-2-MTP, 230 V/50 – 60 Hz (EU) | 5427000178 |
| <b>Centrifuge 5430 R</b> , keypad, refrigerated, without rotor, 230 V/50 – 60 Hz (EU)                                             | 5428000205 |
| <b>Centrifuge 5430 R</b> , rotary knobs, refrigerated, without rotor, 230 V/50 – 60 Hz (EU)                                       | 5428000610 |
| <b>Centrifuge 5430 R</b> , keypad, refrigerated, with Rotor FA-45-30-11 incl. rotor lid, 230 V/50 – 60 Hz (EU)                    | 5428000010 |
| <b>Centrifuge 5430 R</b> , rotary knobs, refrigerated, with Rotor FA-45-30-11 incl. rotor lid, 230 V/50 – 60 Hz (EU)              | 5428000410 |

Rotors for Centrifuge 5430/5430 R



#### Rotor FA-45-48-11

- Max. speed: 18,210 × g (12,700 rpm)
- Max. capacity: 48 × 1.5/2.0 mL tubes
- Aerosol-tight for safe centrifugation of hazardous samples



#### Rotor F-45-48-11

- Max. speed: 18,210 × g (12,700 rpm)
- Max. capacity: 48 × 1.5/2.0 mL tubes



#### Rotor S-24-11-AT

- Max. speed: 16,049 × g (12,700 rpm)
- Swing-bucket rotor for 24 × 1.5/2.0 mL tubes
- Aerosol-tight with Eppendorf QuickLock® lid





# Rotors for Centrifuge 5430/5430 R



## Rotor FA-45-16-17

- Max. speed:  $21,191 \times g$  (14,200 rpm)
- Max. capacity: 16  $\times$  Eppendorf Tubes® 5.0 mL<sup>1)</sup>
- Aerosol-tight for safe centrifugation of hazardous samples

Snap cap - reduced capacity for 5 mL screw cap tubes



## Rotor FA-45-30-11

- Max. speed:  $25,000 \times g$  (15,350 rpm)
- Max. capacity: 30  $\times$  1.5/2.0 mL tubes
- Aerosol-tight for safe centrifugation of hazardous samples



## Rotor FA-45-24-11-Kit

- Max. speed:  $19,090 \times g$  (13,200 rpm)
- Rotor with higher rim for safe centrifugation of up to 24 spin columns
- Aerosol-tight for safe centrifugation of hazardous samples



## Rotor F-45-30-11

- Max. speed:  $20,817 \times g$  (14,000 rpm)
- Max. capacity: 30  $\times$  1.5/2.0 mL tubes
- PTFE coating for increased chemical resistance



## Rotor FA-45-24-11-HS

- Max. speed:  $30,130 \times g$  (17,500 rpm)
- Max. capacity: 24  $\times$  1.5/2.0 mL tubes
- Extremely fast separation results
- Aerosol-tight for safe centrifugation of hazardous samples
- PTFE coating for increased chemical resistance



## Rotor F-35-6-30

- Max. speed:  $7,745 \times g$  (7,830 rpm)
- Rotor for 6  $\times$  15/50 mL conical or 12  $\times$  Vacutainer® tubes



## Rotor A-2-MTP

- Max. speed:  $2,204 \times g$  (4,680 rpm)
- 2-place swing-bucket rotor for MTP, PCR and Deepwell Plates (max. 0.5 mL)
- Windshield design for quiet operation



## Rotor F-45-64-5-PCR

- Max. speed:  $13,543 \times g$  (11,800 rpm)
- PCR strip rotor for up to 64  $\times$  0.2 mL PCR tubes



## Rotor F-45-18-17-Cryo

- Max. speed:  $8,324 \times g$  (8,900 rpm)
- 18-place rotor for Cryo tubes



### Order information

| Description                                                                                                                                         | Order no.  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Rotor FA-45-16-17</b> , aerosol-tight, incl. rotor lid, for 16 × Eppendorf Tubes® 5.0 mL                                                         | 5427750002 |
| <b>Adapter</b> , for 1 PCR tube (0.2 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.                                                            | 5425715005 |
| <b>Adapter</b> , for 1 sample tube (0.5 mL, max. Ø 8 mm) or 1 Microtainer® (0.6 mL, max. Ø 8 mm), for all 1.5/2.0 mL rotors, 6 pcs.                 | 5425716001 |
| <b>Rotor FA-45-48-11</b> , aerosol-tight, incl. rotor lid, for 5430/5430R                                                                           | 5427754008 |
| <b>Rotor F-45-48-11</b> , incl. rotor lid                                                                                                           | 5427755004 |
| <b>Rotor S-24-11-AT</b> , aerosol-tight, incl. rotor lid, stainless steel                                                                           | 5427757007 |
| <b>Rotor FA-45-30-11</b> , aerosol-tight, incl. rotor lid, for 5430/5430R                                                                           | 5427753001 |
| <b>Rotor FA-45-24-11-Kit</b> , aerosol-tight, incl. rotor lid                                                                                       | 5427752005 |
| <b>Rotor F-45-30-11</b> , incl. rotor lid, PTFE coated                                                                                              | 5427712003 |
| <b>Rotor FA-45-24-11-HS</b> , aerosol-tight, incl. rotor lid, PTFE coated                                                                           | 5427710000 |
| <b>Rotor F-35-6-30</b> , incl. rotor lid, with 6 adapters each for 15 mL/50 mL conical tubes                                                        | 5427716009 |
| <b>Rotor A-2-MTP</b> , incl. wind shield and rotor lid, with 2 buckets                                                                              | 5427700005 |
| <b>Rotor F-45-64-5-PCR</b> , incl. rotor lid and adapters                                                                                           | 5427714006 |
| <b>Rotor F-45-18-17-Cryo</b> , incl. rotor lid and cryovial adapters                                                                                | 5427705007 |
| <b>Adapter</b> , for 1 cryo tubes (max. Ø 13 mm) or sealable centrifugation tubes (Ø 12.2 mm), max. length 50 mm, for Rotor F-45-18-17-Cryo, 6 pcs. | 5702752002 |
| <b>Adapter</b> , for 1 vessel 1.5 – 2.0 mL, for all 5.0 mL rotors, 4 pcs.                                                                           | 5820768002 |
| <b>Adapter</b> , for 1 cryo tube, for all 5.0 mL rotors, 4 pcs.                                                                                     | 5820769009 |
| <b>Adapter</b> , for 1 HPLC tube, for all 5.0 mL rotors, 4 pcs.                                                                                     | 5820770007 |
| <b>Adapter</b> , for 1 micro test tube (0.4 mL, max. Ø 6 mm), for all 1.5/2.0 mL rotors, 6 pcs.                                                     | 5425717008 |
| <b>Adapter</b> , for 1 HPLC vessel 1.5 mL, for Rotor F-45-18-17-Cryo, 18 pcs.                                                                       | 5427708006 |

### Adapter options for Rotor F-35-6-30

| Adapter                 | Rotor capacity <sup>3)</sup> | Max. tube dimensions Ø x L | Max. RCF  | For bore hole | Order no. <sup>4)</sup> |
|-------------------------|------------------------------|----------------------------|-----------|---------------|-------------------------|
| 13 mm round             | 12                           | 13 × 65 – 89 mm            | 6,443 × g | small         | 5427740007              |
|                         |                              |                            | 6,100 × g | large         | 5427742000              |
| 13 mm round             | 12                           | 13 × 90 – 110 mm           | 7,471 × g | small         | 5427741003              |
|                         |                              |                            | 7,129 × g | large         | 5427743006              |
| 16 mm round             | 12                           | 16 × 75 – 105 mm           | 7,005 × g | small         | 5427732004              |
|                         |                              | 16 × 90 – 105 mm           | 7,005 × g | large         | 5427734007              |
| 17 mm round             | 12                           | 17 × 90 – 125 mm           | 7,745 × g | small         | 5427735003              |
|                         |                              |                            | 7,403 × g | large         | 5427738002              |
| Eppendorf Tubes® 5.0 mL | 12                           | 17.5 × 80 mm               | 6,237 × g | small         | 5427746005              |
|                         |                              | 17.5 × 80 mm               | 7,129 × g | large         | 5427747001              |
| 15 mL conical           | 6                            | 17.5 × 100 – 125 mm        | 7,540 × g | small         | 5427726004              |
| 30 mL round             | 6                            | 26 × 92 – 112 mm           | 7,087 × g | large         | 5427736000              |
| 50 mL round             | 6                            | 29 × 95 – 125 mm           | 7,581 × g | large         | 5427737006              |
| 50 mL conical           | 6 <sup>1) 2)</sup>           | 29.5 × 100 – 125 mm        | 7,197 × g | large         | 5427727000              |
| Centriprep®             | 6                            | 29.5 × 100 – 125 mm        | 7,567 × g | large         | 5427723005              |

<sup>1)</sup> Three sets of 2 included with Rotor F-35-6-30.

<sup>2)</sup> Adapter accommodates skirted 50 mL conical tubes.

<sup>3)</sup> Please perform a manual test to determine the actual loading capacity.

<sup>4)</sup> Set of 2



# Our Portfolio – Your Choice



| Model                                           | MiniSpin-/MiniSpin- plus                                                                                      | 5418 R                                                                          | 5420                                                                                                  |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Positioning                                     | Space-saving 12-place mini-centrifuge for quick spin downs even in the smallest workstation, non-refrigerated | Compact refrigerated 18-place microcentrifuge for temperature sensitive samples | Small footprint 24-place microcentrifuge for molecular biology routine applications, non-refrigerated |
| Page(s)                                         | 10                                                                                                            | 11                                                                              | 12                                                                                                    |
| Max. capacity                                   | 12 × 1.5/2.0 mL                                                                                               | 18 × 1.5/2.0 mL                                                                 | 24 × 1.5/2.0 mL                                                                                       |
| Max. RCF                                        | 12,100 × g/14,100 × g                                                                                         | 16,873 × g                                                                      | 21,300 × g                                                                                            |
| Max. speed                                      | 13,400 rpm/14,500 rpm                                                                                         | 14,000 rpm                                                                      | 15,060 rpm                                                                                            |
| Rotors available                                | 2                                                                                                             | 1                                                                               | 2                                                                                                     |
| Temperature control range                       |                                                                                                               | 0 °C to +40 °C                                                                  |                                                                                                       |
| Dimensions (W × D × H)                          | 22.5 × 23.0 × 13.0 cm /<br>8.86 × 9.06 × 5.12 in                                                              | 30 × 46 × 25 cm /<br>11.7 × 18.23 × 9.8 in                                      | 24 × 35 × 22 cm /<br>9.4 × 13.8 × 8.7 in                                                              |
| Weight w/o accessories                          | 3.7 kg / 8.16 lb/4.1 kg / 9 lb                                                                                | 22 kg / 48.5 lb                                                                 | 13 kg / 28.7 lb                                                                                       |
| Max. power consumption                          | 70 W/85 W                                                                                                     | 320 W                                                                           | 290 W                                                                                                 |
| Noise level                                     | < 49 dB(A)/< 52 dB(A)                                                                                         | < 57 dB(A)                                                                      | < 56 dB(A)                                                                                            |
| Height (with open lid)                          | 25 cm / 9.8 in                                                                                                | 52 cm / 20 in                                                                   | 44 cm / 17.3 in                                                                                       |
| Display                                         | LCD                                                                                                           | large LCD                                                                       | large, brightly lit LCD                                                                               |
| Tube/plate/bottle capacity                      |                                                                                                               |                                                                                 |                                                                                                       |
| 1.5/2.0 mL Eppendorf Tubes®                     | 12                                                                                                            | 18                                                                              | 24                                                                                                    |
| Eppendorf Tubes® 5.0 mL                         | –                                                                                                             | –                                                                               | –                                                                                                     |
| 8-place PCR strips                              | 2                                                                                                             | –                                                                               | 4                                                                                                     |
| 15 mL conical tubes                             | –                                                                                                             | –                                                                               | –                                                                                                     |
| 25 mL conical tubes                             | –                                                                                                             | –                                                                               | –                                                                                                     |
| 50 mL conical tubes                             | –                                                                                                             | –                                                                               | –                                                                                                     |
| 13 mm round-bottom and blood collection tubes   | –                                                                                                             | –                                                                               | –                                                                                                     |
| 16 mm round-bottom and blood collection tubes   | –                                                                                                             | –                                                                               | –                                                                                                     |
| 17.5 mm round-bottom and blood collection tubes | –                                                                                                             | –                                                                               | –                                                                                                     |
| PCR plates/MTP                                  | –                                                                                                             | –                                                                               | –                                                                                                     |
| Deepwell plates (DWP)                           | –                                                                                                             | –                                                                               | –                                                                                                     |

Centrifuges

Centrifuges



**5425 / 5425 R** Whisper quiet 24-place standard microcentrifuge with outstanding feature set for broad range of applications, refrigerated for temperature-sensitive samples or non-refrigerated

|                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|
| <b>13</b>                                                                                                                  |
| 10 × 5.0 mL                                                                                                                |
| 21,300 × g                                                                                                                 |
| 15,060 rpm                                                                                                                 |
| 6                                                                                                                          |
| -10 °C to +40 °C                                                                                                           |
| 24 × 39 × 24 cm / 9.5 × 15.4 × 9.5 in / 29 × 48 × 26 cm / 11.42 × 18.9 × 10.24 in                                          |
| 15.6 kg / 34.4 lb / 21.0 kg / 46.3 lb                                                                                      |
| 280 W / 360 W                                                                                                              |
| average of 45 dB(A) in the first 12 minutes and < 51 dB(A) thereafter with Rotor FA-24x2 / < 54 dB(A) for all other rotors |
| 48 cm / 18.8 in / 50.8 cm / 20.0 in                                                                                        |
| large, brightly lit LCD                                                                                                    |

|               |
|---------------|
| 24            |
| 10            |
| 12            |
| -             |
| -             |
| -             |
| -             |
| -             |
| -             |
| -             |
| 1 (divisible) |
| -             |

**5427 R** High-throughput 48-place microcentrifuge, refrigerated (green cooling liquid (R290)) for temperature sensitive samples

|                                             |
|---------------------------------------------|
| <b>15</b>                                   |
| 48 × 1.5/2.0 mL                             |
| 25,001 × g                                  |
| 16,220 rpm                                  |
| 9                                           |
| -11 °C to 40 °C                             |
| 31.9 × 54.0 × 25.4 cm / 12.6 × 21.3 × 10 in |
| 30 kg / 66.1 lb                             |
| 495 W                                       |
| < 55 dB(A) with rotor FA-45-48-11           |
| 56 cm / 21.9 in                             |
| large, brightly lit LCD                     |

|    |
|----|
| 48 |
| 12 |
| 6  |
| -  |
| -  |
| -  |
| -  |
| -  |
| -  |
| -  |
| -  |
| -  |

**5430 / 5430 R**  
Crossover microcentrifuge with high versatility and 12 rotor options including rotor for 15/50 mL conical tubes, 30-place high-speed rotor and swing-bucket rotor for MTPs or DWPs, refrigerated for temperature sensitive samples or non-refrigerated

|                                                                                |
|--------------------------------------------------------------------------------|
| <b>17</b>                                                                      |
| 48 × 1.5/2.0 mL, 6 × 50 mL, 2 × MTP                                            |
| 30,130 × g                                                                     |
| 17,500 rpm                                                                     |
| 12                                                                             |
| -11 °C to 40 °C                                                                |
| 34 × 42 × 25 cm / 11.2 × 16.3 × 9.8 in / 38 × 64 × 29 cm / 15 × 25.2 × 11.7 in |
| 29 kg / 63.9 lb / 56 kg / 123.5 lb                                             |
| 475 W / 1,050 W                                                                |
| < 58 dB(A) with Rotor F-45-30-11 / < 54 dB(A) with Rotor F-45-30-11            |
| 56 cm / 21.8 in / 63 cm / 24.8 in                                              |
| large, brightly lit LCD                                                        |

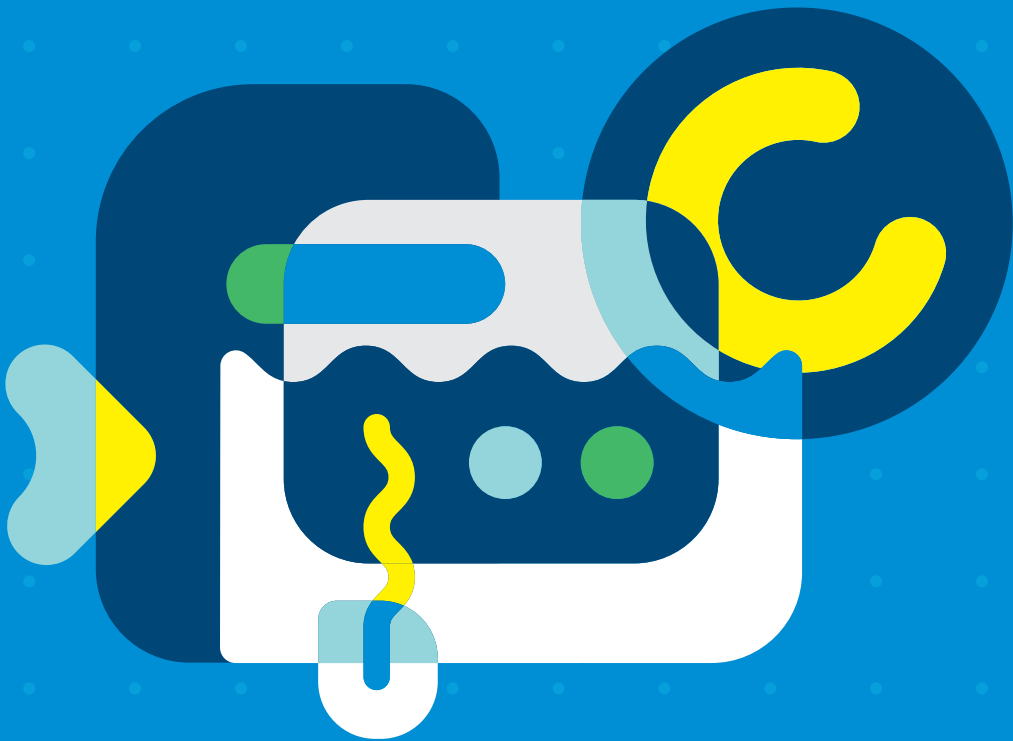
|    |
|----|
| 48 |
| 16 |
| 8  |
| 6  |
| 6  |
| 6  |
| 12 |
| 12 |
| 12 |
| 2  |
| 2  |

Centrifuges

Centrifuges

# eppendorf

## Temperature control and mixing portfolio.







# Temperature Control and Mixing



Temperature control and mixing

Every lab needs to heat, cool, and mix samples. Nucleic acid or protein purification and analysis, cell and tissue research or expression profiling – all of these applications require a thermal mixer.

An accurate temperature might be the first thing that comes to your mind when thinking about a thermal mixer. For us, temperature accuracy is a must, and we test each SmartBlock separately after production to certify its performance.

The mixing performance is guaranteed by our proven <sup>2D</sup> Mix-Control, ensuring even small volumes are mixed efficiently. If you are only looking for efficient mixing without temperature control, the MixMate® is your 3-in-1 choice – a Vortex, plate, and tube mixer all in one package.

Additionally, your thermal mixer must be reliable, robust, easy-to-handle, and versatile. We enhance your vessel flexibility with 15 different Eppendorf SmartBlock thermoblocks – from 0.1 mL tubes or plates up to 50 mL Eppendorf Conical Tubes. Each SmartBlock can be easily attached with only one hand to the Eppendorf ThermoMixer® C, or Eppendorf ThermoStat C, and is individually certified for temperature accuracy. If you need enhanced capacity and a second incubation temperature for 1.5 mL tubes, we offer the SmartExtender – perform your heat-shock transformation in one device.







When working with cell lines, our Eppendorf SmartBlock cryo thaw offers a special program for smooth thawing of cell culture vials, and reagents: convenient, capable of handling multiple vials at once, reduced contamination, and reproducible.

Your samples can be protected from evaporation and condensation at the tube lid when using the ThermoTop®, which heats the sample from above. Your reaction happens where you want it – down in the tube.

Easy programming is a necessity. To increase your efficiency, each device has preprogrammed keys with the ideal parameters for efficient mixing of vessels, like a PCR plate, as well as preprogrammed temperature keys, like 37 °C or 95 °C.

We care about you and your safety, so we designed all of our devices with an isolating layer on the block that protects you from burning your fingers. All surfaces are smooth without edges and easy to clean and disinfect.



Use the Eppendorf ThermoMixer® C for heating, cooling and mixing of your samples. Multiple Eppendorf SmartBlocks enlarge your vessel flexibility from 384-well plates to 50 mL tubes.

Temperature control and mixing



The 2D Mix-Control ensures efficient mixing of even small volumes by a broad orbital movement.



# Eppendorf ThermoMixer® C



### Description

Eppendorf ThermoMixer C is for heating, cooling, and mixing almost any of your lab vessels. Efficient mixing of your samples is executed by <sup>2D</sup>Mix technology.

### Product features

- Mixing, heating, and cooling in one instrument for high flexibility
  - All common vessels and plate formats from 5 µL to 50 mL by different Eppendorf SmartBlocks for standard applications
- Ideal for cell thawing when using Eppendorf SmartBlock cryo thaw

|                                            | Plate type | 96-well plates  | 384-well plates |
|--------------------------------------------|------------|-----------------|-----------------|
| <b>Mixing of different buffers</b>         |            |                 |                 |
| <b>Buffer with detergent</b>               | PCR        | 30 s 1,800 rpm  | 30 s 2,800 rpm  |
| <b>Buffer without detergent</b>            | PCR        | 1 min 2,000 rpm | 30 s 3,000 rpm  |
| <b>Buffer with high salt concentration</b> | DWP        | 5 s 1,400 rpm   | 30 s 2,000 rpm  |
| <b>Buffer with DMSO</b>                    | MTP        | 5 s 1,100 rpm   | 5 s 2,000 rpm   |
| <b>Mixing of viscous solutions</b>         |            |                 |                 |
| <b>Genomic-DNA</b>                         | PCR        | 30 s 2,000 rpm  | 1 min 3,000 rpm |
| <b>Resuspension of pellets</b>             |            |                 |                 |
| <b>Bacteria cell pellets</b>               | DWP        | 30 s 2,000 rpm  | 2 min 2,000 rpm |

Eppendorf ThermoMixer C provides enough mixing power to handle challenging mixing tasks. Most samples are efficiently mixed within less than a minute independent of vessel geometry or sample properties.

Temperature control and mixing

### Order information

#### Description

**Eppendorf ThermoMixer® C**, basic device without thermoblock, 220 – 240 V/50 – 60 Hz (GB)

#### Order no.

[5382000031](#)

### 50 µL sample mixing with 1,800 rpm

Competitor 1 min



Suboptimal sample mixing

Eppendorf <sup>2D</sup>Mix-Control 1 min (MixMate®)



Reliable sample mixing

Eppendorf <sup>2D</sup>Mix-Control 1 min (Eppendorf ThermoMixer®)



Reliable sample mixing



# Eppendorf ThermoStat C



Temperature  
control and mixing

## The ideal device to accurately set and maintain temperatures:

The Eppendorf ThermoStat C is for heating and cooling almost any of your lab vessels. For additional condensation prevention of small volumes we recommend the Eppendorf ThermoTop (optional), a heated lid with condens.protect technology.

## Product features

- Heating and active cooling in all common vessel and plate formats from 5 µL to 50 mL for high flexibility
- Broad range of Eppendorf SmartBlocks enables high vessel flexibility
- Excellent temperature accuracy for safe sample handling

## Order information

| Description                                                                                   | Order no.  |
|-----------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf ThermoStat C</b> , basic device without thermoblock, 220 – 240 V/50 – 60 Hz (GB) | 5383000035 |
| <b>ThermoTop<sup>®</sup></b> , with <b>condens.protect</b> technology                         | 5308000003 |
| <b>SmartExtender</b> , 1.5 mL                                                                 | 5322000008 |



# Eppendorf ThermoMixer® F



### Product features

- Heating and mixing in 0.5/1.5/2.0 mL reaction vessels (F0.5/F1.5/F2.0) or plates (FP)
- Up to 1,500 rpm (F1.5/F2.0) or 2,000 rpm (F0.5/FP) for efficient sample mixing
- Outstanding <sup>2D</sup>Mix-Control technology results in excellent mixing performance

Temperature control and mixing

### Doing a lot of routine mixing and heating?

These products are the perfect choice for mixing and heating established routine applications. The Eppendorf ThermoMixer F0.5/F1.5/F2.0 and FP have a fixed block for 0.5/1.5/2.0 mL tubes and plates, respectively. Reliable prevention of condensate formation in small vessels can be achieved with the heated lid Eppendorf ThermoTop (optional).

### Order information

| Description                                                                                                                         | Order no.  |
|-------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf ThermoMixer® FP</b> , with thermoblock for microplates and deepwell plates, including lid, 220 – 240 V/50 – 60 Hz (GB) | 5385000032 |
| <b>Eppendorf ThermoMixer® F0.5</b> , with thermoblock for 24 reaction vessels 0.5 mL, 200 – 240 V/50 – 60 Hz (GB)                   | 5386000036 |
| <b>Eppendorf ThermoMixer® F1.5</b> , with thermoblock for 24 reaction vessels 1.5 mL, 220 – 240 V/50 – 60 Hz (GB)                   | 5384000039 |
| <b>Eppendorf ThermoMixer® F2.0</b> , with thermoblock for 24 reaction vessels 2.0 mL, 220 – 240 V/50 – 60 Hz (GB)                   | 5387000030 |



# MixMate®



**Straight mixing required?** The 3-in-1 mixer for plates, tubes, and vortex mixing. This high speed instrument provides complete mixing of your samples in seconds. Remarkable <sup>2D</sup>Mix-Control enables optimized mixing with anti-spill technology.

**Product features**

- High-speed mixer (up to 3,000 rpm) for fast and efficient mixing of small volumes in all common vessel formats up to 50 mL
- <sup>2D</sup>Mix-Control technology (planar mixing orbit without vertical movement) for controlled mixing and reproducible results in seconds
- Anti-spill technology for controlled mixing movements without lid wetting and cross-contamination

|                                     | Plate type | 96-well plates | 384-well plates |
|-------------------------------------|------------|----------------|-----------------|
| Mixing of different buffers         |            |                |                 |
| Buffer with detergent               | PCR        | 15 s           | 45 s            |
|                                     |            | 1,800 rpm      | 2,800 rpm       |
| Buffer without detergent            | PCR        | 30 s           | 30 s            |
|                                     |            | 2,100 rpm      | 3,000 rpm       |
| Buffer with high salt concentration | DWP        | 5 s            | 1 min           |
|                                     |            | 1,400 rpm      | 2,000 rpm       |
| Buffer with DMSO                    | MTP        | 5 s            | 5 s             |
|                                     |            | 1,100 rpm      | 2,200 rpm       |
| Mixing of viscous solutions         |            |                |                 |
| Genomic-DNA                         | PCR        | 30 s           | 45 s            |
|                                     |            | 2,000 rpm      | 3,000 rpm       |
| Resuspension of pellets             |            |                |                 |
| Bacteria cell pellets               | DWP        | 30 s           | 3 min           |
|                                     |            | 2,000 rpm      | 2,000 rpm       |

MixMate provides enough mixing power to handle the most challenging mixing tasks. Most samples are efficiently mixed within less than a minute independent of vessel geometry or sample properties. For more information see AppNote 130.

Temperature control and mixing

**Order information**

| Description                                                                                                           | Order no.  |
|-----------------------------------------------------------------------------------------------------------------------|------------|
| <b>MixMate *</b> , basic device without tube holders, 230 V/50 – 60 Hz (GB)                                           | 5353000537 |
| <b>Tube Holder 0.5 mL</b> , for 24 × 0.5 mL reaction vessels                                                          | 5353040121 |
| <b>Tube Holder 1.5/2.0 mL</b> , for 24 × 1.5 mL or 2.0 mL reaction vessels                                            | 5353040130 |
| <b>Tube Holder 5/15 mL</b> , for 8 × 5/15 mL conical tubes                                                            | 5353040148 |
| <b>Tube Holder 25/50 mL</b> , for 4 × 25/50 mL conical tubes                                                          | 5353040156 |
| <b>Tube Holder PCR 96</b> , for 96 × 0.2 mL PCR tubes, PCR strips or 1 × 96-well PCR plate, semi-skirted or unskirted | 5353040113 |



## Temperature Control and Mixing

### ThermoTop®

#### Having non-regular enzymatic results after temperature incubation?

The ThermoTop with condens.protect technology heated lid avoids condensation on tube lid and tube wall. It is compatible with Eppendorf ThermoMixer C/ Eppendorf ThermoStat C with SmartBlock plates and lab vessels up to 2 mL and Eppendorf ThermoMixer F 0.5/F1.5/F2.0/FP.



#### Product features

- Efficient and reliable of condensation prevention for safe sample heating
- Get stable reaction conditions for optimal enzymatic performance within your samples
- Wireless connection with automatic recognition and operation for user-friendly handling

#### Order information

##### Description

ThermoTop®, with condens.protect technology

##### Order no.

5308000003

### SmartExtender

#### Do you need a second temperature or more space for incubation steps?

The Eppendorf SmartExtender offers a comfortable incubation tool which can easily be used as an add-on to your existing SmartBlocks and the Eppendorf ThermoMixer® C/F as well as Eppendorf ThermoStat C.



#### Product features

- Independent temperature set-up for parallel application
- Up to 12 × 1.5 mL vessels
- Temperature range from 3 °C above room temperature to 110 °C

#### Order information

##### Description

SmartExtender, 1.5 mL

##### Order no.

5322000008

### IsoTherm-System®

The IsoTherm-System is the ideal system for safely cooling your samples in 1.5 mL/2.0 mL tube formats at -21°C or 0°C throughout your entire lab workflow.



#### Order information

##### Description

**IsoTherm-System- starter set**, includes IsoSafe, IsoRack, 0 °C IsoPack and -21 °C IsoPack, for 1.5/2.0 mL tubes

##### Order no.

3880001018

**IsoPack and IsoRack set**, includes one IsoPack and one IsoRack

for 1.5/2.0 mL vessels, 0 °C

3880001166

for 1.5/2.0 mL vessels, -21 °C

3880001174





# Eppendorf SmartBlock

## Interchangeable in just seconds.

These individually sensor-controlled SmartBlocks are your solution for maintaining accurate, uniform temperatures. The flexible thermoblocks are compatible with common lab vessels to support a broad range of applications - for use with Eppendorf ThermoMixer® C (heating/ cooling and mixing) and Eppendorf ThermoStat C (heating/ cooling).



## Eppendorf SmartBlocks for the following reaction vessels:

**A. 24 lab vessels up to 12 mm in diameter**

**B. 8 × 15 mL conical tubes**

**C. 4 × 50 mL conical tubes**

**D. Eppendorf Deepwell Plates 96/500 µL**

**E. Eppendorf Deepwell Plates 96/1000 µL**

**F. 24 × cryo tubes**

**G. 8 × Eppendorf Tubes® 5.0 mL**

**H. Lid for Eppendorf SmartBlock plates, PCR 96, PCR 384, DWP, 0.5 mL, 1.5 mL and 2.0 mL**

**I. 384-well PCR plates**

**J. 96-well PCR plates**

**K. 24 × 0.5 mL vessels**

**L. 24 × 1.5 mL vessels**

**M. 24 × 2.0 mL vessels**

**N. MTPs and Deepwell Plates**

**O. 4 × 25 mL adapter for SmartBlock 50 mL**

## Product features

- Optimized block design supports optimal temperature transfer to your sample to achieve excellent results
- Eppendorf SmartBlock-specific calibration by integrated sensor technology maximizes temperature accuracy and homogeneity
- Every Eppendorf SmartBlock is individually inspected in production for temperature accuracy and includes a serial-number specific certificate for documentation purpose

SmartBlocks can only be used with ThermoMixer C and ThermoStat C

Temperature control and mixing

## Order information

| Description                                                                                                                                                     | Order no.  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf SmartBlock cryo thaw</b> , thermoblock for 24 cryo tubes, 1.5 mL – 2 mL, max. external diameter 12.7 mm, flat base. Replaces order no. 5367000025. | 5318000001 |
| <b>Eppendorf SmartBlock 0.5 mL</b> , thermoblock for 24 reaction vessels 0.5 mL, incl. Transfer Rack 0.5 mL                                                     | 5361000031 |
| <b>Eppendorf SmartBlock 1.5 mL</b> , thermoblock for 24 reaction vessels 1.5 mL, incl. Transfer Rack 1.5/2.0 mL                                                 | 5360000038 |
| <b>Eppendorf SmartBlock 2.0 mL</b> , thermoblock for 24 reaction vessels 2.0 mL, incl. Transfer Rack 1.5/2.0 mL                                                 | 5362000035 |
| <b>Eppendorf SmartBlock 5 mL</b> , thermoblock for 8 Eppendorf Tubes® 5.0 mL, 8 × 5.0 mL reaction vessels                                                       | 5309000007 |
| <b>Eppendorf SmartBlock 15 mL</b> , thermoblock for 8 conical tubes 15 mL                                                                                       | 5366000021 |
| <b>Adapter 25 mL for Eppendorf SmartBlock 50 mL</b> , Set consisting of 4 adapters and removal tool                                                             | 5365000109 |
| <b>Eppendorf SmartBlock 50 mL</b> , thermoblock for 4 conical tubes 50 mL                                                                                       | 5365000028 |
| <b>Eppendorf SmartBlock 12 mm</b> , thermoblock for 24 reaction vessels, diameter up to 12 mm, height 35 mm – 76 mm                                             | 5364000024 |
| <b>Eppendorf SmartBlock PCR 96</b> , thermoblock for PCR plates 96, incl. lid                                                                                   | 5306000006 |
| <b>Eppendorf SmartBlock PCR 384</b> , thermoblock for PCR plates 384, incl. lid                                                                                 | 5307000000 |
| <b>Eppendorf SmartBlock DWP 500</b> , thermoblock for Eppendorf Deepwell Plates 96/500 µL, incl. lid                                                            | 5316000004 |
| <b>Eppendorf SmartBlock DWP 1000</b> , thermoblock for Eppendorf Deepwell Plate 96/1,000 µL, incl. lid                                                          | 5310000002 |
| <b>Eppendorf SmartBlock plates</b> , thermoblock for microplates and Deepwell Plates, incl. lid                                                                 | 5363000039 |
| <b>Lid</b> , for Eppendorf ThermoMixer® F0.5/F1.5/F2.0 and FP, for Eppendorf SmartBlock 0.5 – 2.0 mL, plates, PCR 96, PCR 384, and DWP                          | 5363000233 |
| <b>Transfer Rack 0.5 mL</b> , for Eppendorf SmartBlock 0.5 mL                                                                                                   | 3880000305 |
| <b>Transfer Rack 1.5/2.0 mL</b> , for Eppendorf SmartBlock 1.5 mL and Eppendorf SmartBlock 2.0 mL                                                               | 3880000151 |



# Our Portfolio – Your Choice



| Model                       | Eppendorf ThermoMixer® C                                      | Eppendorf ThermoStat C                                                                            | Eppendorf ThermoMixer® F0.5                         |
|-----------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Page(s)                     | 6                                                             | 7                                                                                                 | 8                                                   |
| Timer                       | 5 sec to 99:30 h, continuous                                  | 5 s to 99:30 h, continuous                                                                        | –                                                   |
| Mixing and vortexing radius | 1.5 mm                                                        | –                                                                                                 | 1.5 mm                                              |
| Mixing orbit                | 3 mm                                                          | –                                                                                                 | 3 mm                                                |
| Mixing frequency            | 300 – 3,000 rpm <sub>1)</sub>                                 | –                                                                                                 | 300 – 2,000 rpm                                     |
| Max. speed                  | 3,000 rpm <sub>1)</sub>                                       | –                                                                                                 | 2,000 rpm                                           |
| Temperature settings        | 1 °C / 100 °C                                                 | -10 °C/110 °C (110 °C when using the SmartBlocks 12 mm or cryo)                                   | 1 °C / 100 °C                                       |
| Temperature range           | Min: 15 °C <sub>1)</sub> below RT, max: 100 °C                | Min: 30 °C <sub>1)</sub> below RT, max: 110 °C (110 °C when using the 12 mm and cryo SmartBlocks) | Min: 4 °C above RT, max: 100 °C                     |
| Temperature accuracy        | Max. ±0.5 °C at 20 – 45 °C                                    | Max. ±0.5 °C at 20 – 45 °C <sub>1)</sub>                                                          | Max. ±0.5 °C at 20 – 45 °C                          |
| Interfaces                  | USB interface                                                 | USB interface                                                                                     | USB interface                                       |
| Dimensions (W × D × H)      | 2 × 30.4 × 13.6 cm /<br>8 × 12.0 × 5.4 in                     | 20.6 × 30.4 × 13.6 cm /<br>8.1 × 11.9 × 5.3 in                                                    | 2 × 30.4 × 16.3 cm /<br>8 × 1.9 × 6.4 in            |
| Weight w/o accessories      | 6.3 kg / 13.9 lb                                              | 4.3 kg / 9.7 lb                                                                                   | 6.2 kg / 13.6 lb                                    |
| Power supply                | 100 – 130 V/220 – 240 V, 50 – 60 Hz                           | 100 – 130 V/220 – 240 V, 50 – 60 Hz                                                               | 100 – 130 V/220 – 240 V, 50 – 60 Hz                 |
| Max. power consumption      | 200 W                                                         | 200 W                                                                                             | 200 W                                               |
| Application                 | ● Heating ● Cooling ● Mixing ● all SmartBlocks can be adapted | ● Heating ● Cooling ● all SmartBlocks can be adapted                                              | ● Heating ● Mixing ● only suitable for 0.5 mL tubes |

depending on SmartBlock used

Temperature  
control and mixing



| Eppendorf ThermoMixer® F1.5                            | Eppendorf ThermoMixer® F2.0                          | Eppendorf ThermoMixer® FP                        | MixMate®                                      |
|--------------------------------------------------------|------------------------------------------------------|--------------------------------------------------|-----------------------------------------------|
| 8                                                      | 8                                                    | 8                                                | 9                                             |
| –                                                      | –                                                    | –                                                | 15 s – 99.3 h, continuous                     |
| 1.5 mm                                                 | 1.5 mm                                               | 1.5 mm                                           | 1.5 mm                                        |
| 3 mm                                                   | 3 mm                                                 | 3 mm                                             | 3 mm                                          |
| 300 – 1,500 rpm                                        | 300 – 1,500 rpm                                      | 300 – 2,000 rpm                                  | 300 – 3,000 rpm                               |
| 1,500 rpm                                              | 1,500 rpm                                            | 2,000 rpm                                        | 3,000 rpm                                     |
| 1 °C / 100 °C                                          | 1 °C / 100 °C                                        | 1 °C / 100 °C                                    | –                                             |
| Min: 4 °C above RT, max: 100 °C                        | Min: 4 °C above RT, max: 100 °C                      | Min: 4 °C above RT, max: 100 °C                  | –                                             |
| Max. ±0.5 °C at 20 – 45 °C                             | Max. ±0.5 °C at 20 – 45 °C                           | Max. ±0.5 °C at 20 – 45 °C                       | –                                             |
| USB interface                                          | USB interface                                        | USB interface                                    | –                                             |
| 20.6 × 30.4 × 17.0 cm /<br>8.1 × 11.9 × 6.7 in         | 20.6 × 30.4 × 17.0 cm /<br>8.1 × 11.9 × 6.7 in       | 20.6 × 30.4 × 16.4 cm /<br>8.1 × 11.9 × 6.4 in   | 17.0 × 23.0 × 13.0 cm /<br>6.7 × 9.1 × 5.1 in |
| 6.3 kg / 13.9 lb                                       | 6.3 kg / 13.9 lb                                     | 6.1 kg / 13.4 lb                                 | 4.2 kg / 9.2 lb                               |
| 100 – 130 V/220 – 240 V, 50 – 60 Hz                    | 100 – 130 V/220 – 240 V, 50 – 60 Hz                  | 100 – 130 V/220 – 240 V, 50 – 60 Hz              | 110 – 120 V/220 – 240 V, 50 – 60 Hz           |
| 200 W                                                  | 200 W                                                | 200 W                                            | 40 W                                          |
| ● Heating ● Mixing ● only suitable<br>for 1.5 mL tubes | ● Heating ● Mixing ● only suitable for<br>2 mL tubes | ● Heating<br>● Mixing ● only suitable for plates | ● Mixing<br>● Vortexing                       |

# eppendorf

## PCR portfolio.





# PCR



## Brandnew Mastercycler X40 - Raise Your Standard

Whether your application involves genome editing, NGS library preparation, cloning, or virus detection, a PCR thermocycler is required. Traditional end-point PCR is utilized in virtually every molecular biology laboratory where the need for optimal performance, and fast, reproducible results is crucial.

Key features of a high-quality thermocycler include durability, versatility, speed and throughput. When choosing a cyclor based on such characteristics, it is additionally important to think about the block material and configuration. Choose from multiple block configurations utilizing either a silver block with good heat conducting properties for increased speed or traditional aluminum blocks with 96 or 384 wells. We also offer the Mastercycler® nexus X2 with a dual block for running PCR reactions in parallel.

Depending on your lab's needs, you require different vessel types and a cyclor that is compatible with both tube and plate formats. Our Mastercycler® X50 and Mastercycler® nexus X2 utilize flexlid® technology that guarantees optimal pressure for a tight seal of your sample plates or tubes in the block to eliminate evaporation. In contrast the new Mastercycler® X40 has a newly developed SafeLid to protect your samples from evaporation in tubes and plates.

For added flexibility and efficiency, the 2D-Gradient of the Mastercycler® X50 enables you to optimize the annealing and denaturation temperature. This enables optimization of specificity and yield by testing 96 temperature combinations in only one PCR run. If you need support for further optimization of your PCR protocols, we have articles that explain the technological background of cyclor technology and different ways to improve your PCR.



Connect multiple thermocyclers to increase capacity.

PCR



For high throughput or expanding labs, we also offer eco units that can be connected to one main cycler. The Mastercycler® X50 can control up to 9 eco units directly. For even more throughput you may connect up to 50 eco unit devices and conveniently control them via the CycleManager X50 software. With Mastercycler nexus X2 you can connect up to 3 cyclers to increase productivity. Become a digital, connected lab and monitor multiple lab devices with VisioNize®. The touchscreen interface of Mastercycler® X50 and X40 enables using VisioNize® for your digital future. You can manage users, audits and PCR runs easily from the device, a PC or smartphone and tablet.

We also offer distinguished service plans to ensure preventive maintenance of your thermal cycler assessing factors such as temperature block homogeneity. You may also use the temperature verification system TVS-T6 to check the block temperature of your cyclers yourself for minimal device downtime and regular temperature verification.



PCR

Run two separate PCRs at the same time with Mastercycler® nexus X2



Mastercycler X50 for increased speed and throughput





# Mastercycler® X50



### Mastercycler® X50 family overview:

#### Mastercycler® X50

The Mastercycler® X50 elegantly combines speed, flexibility, and ease of use. With its intuitive touch screen offering precise fingertip control, the MC X50 thermocycler enables easy PCR optimization in advanced molecular biology research and dependable standardization in routine PCR applications. It is also perfectly fitted for NGS.

#### Mastercycler® X50 eco units

Mastercycler® X50 eco units combine the speed and performance of the master device with the option to be connected to each other. Up to 9 units can be controlled by one master device, while up to 50 eco units can be conveniently controlled with the CycleManager X50 software, even if they are placed in multiple laboratories.

### Product features

- Heating rate: up to 10 °C/s depending on block
- Wide selection of blocks from a fast silver block to 384 well block
- Testing of 96/384 different denaturation/annealing temperatures in a single run with temperature gradient function

### Applications

- Fast PCR
- PCR optimization
- Standard PCR
- Incubation
- Cycle sequencing

PCR

### Order information

| Description                                                                                                                            | Order no.                  |
|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>Mastercycler® X50s</b> , 100 – 240 V/50 – 60 Hz (GB), silver block, 96-well plate or 0.1/0.2 mL tubes, with touchscreen interface   | <a href="#">6311000045</a> |
| <b>Mastercycler® X50a</b> , 100 – 240 V/50 – 60 Hz (GB), aluminum block, 96-well plate or 0.1/0.2 mL tubes, with touchscreen interface | <a href="#">6313000042</a> |
| <b>Mastercycler® X50h</b> , 100 – 240 V/50 – 60 Hz (GB), aluminum block, 384-well plate, high pressure lid, with touchscreen interface | <a href="#">6316000043</a> |
| <b>Mastercycler® X50i</b> , 100 – 240 V/50 – 60 Hz (GB), silver block, 96-well plate or 0.1/0.2 mL tubes, eco unit                     | <a href="#">6301000047</a> |
| <b>Mastercycler® X50l</b> , 100 – 240 V/50 – 60 Hz (GB), aluminum block, 96-well plate or 0.1/0.2 mL tubes, eco unit                   | <a href="#">6303000044</a> |
| <b>Mastercycler® X50t</b> , 100 – 240 V/50 – 60 Hz (GB), aluminum block, 384-well plate, high pressure lid, eco unit                   | <a href="#">6306000045</a> |



# Temperature Verification Systems



## Description

Achievement of the right temperature in the PCR thermal cycler block is essential to obtain reliable, reproducible PCR runs. Regular checking of the block temperature is not only essential for the next audit, but gives you the peace of mind for all your PCR experiments.

## Product features

- Temperature control and verification of each well of the cycler block
- Multiple sensors for each block-type
- Calibrated in an ISO 9001 certified / ISO/IEC 17025 accredited laboratory

## Order information

| Description                                                                                          | Order no.  |
|------------------------------------------------------------------------------------------------------|------------|
| Temperature sensor for 96 Well, single channel, ISO 9001                                             | 0056001000 |
| Temperature sensor for 96 Well, single channel, ISO 17025                                            | 0056001506 |
| Temperature sensor for 384 Well, single channel, ISO 9001                                            | 0056002006 |
| Temperature sensor for 384 Well, single channel, ISO 17025                                           | 0056002502 |
| Temperature Verification System T6, without thermal sensors, made to order                           | 6328006500 |
| Sensor unit for 96 well blocks, calibrated in an ISO 9001 certified laboratory, made to order        | 6328007000 |
| Sensor unit for 96 well blocks, calibrated in an ISO/IEC 17025 accredited laboratory, made to order  | 6328007507 |
| Sensor unit for 384 well blocks, calibrated in an ISO 9001 certified laboratory, made to order       | 6328008007 |
| Sensor unit for 384 well blocks, calibrated in an ISO/IEC 17025 accredited laboratory, made to order | 6328008503 |
| Sensor unit flat, calibrated in an ISO 9001 certified laboratory, made to order                      | 6328009003 |
| Sensor unit flat, calibrated in an ISO/IEC 17025 accredited laboratory, made to order                | 6328009500 |

PCR

# CycleManager X50 Software



## Description

Maximize your PCR efficiency. CycleManager X50 enables you to increase your throughput by managing up to fifty Mastercycler X50 eco units simultaneously. Now there's no need for repetitive copying of PCR documentation and parameters, time-consuming searches for an available cycler, or checking the status of your runs on multiple cyclers. Address this bottleneck in your workflow and get full PCR control with CycleManager X50 software.

## Order information

| Description               | Order no.  |
|---------------------------|------------|
| CycleManager X50 Software | 6349000014 |



# Mastercycler® X40

## Description

Boost academic research – Take your lab to the future with the Mastercycler® X40. Programming is easy with the touchscreen and proven Mastercycler software while monitoring and connectivity with VisioNize® make the PCR cyclers ready for your digital lab.

The Mastercycler® X40 enables reliable, stable and reproducible PCR runs on a small footprint. New protocols and primers are no problem with the efficient 12-column gradient for optimization. A convenient heating rate of up to 3.3 °C/s suits also sensitive DNA samples.



## Product features

- **Fast PCR optimization:** Testing of 12 different denaturation/annealing temperatures in a single run with temperature gradient function
- **Compatible with many vessel formats:** 0.1/0.2 mL tubes and tube strips, 96 well plates (low/high profile unskirted, high profile semi-skirted, low profile skirted); SafeLid adjusts to different vessel heights for optimized temperature transfer and evaporation protection
- **For more reproducible results:** high block temperature homogeneity  $\pm 0.2$  °C (20 – 72 °C) and control accuracy ( $\pm 0.15$  °C); constant 20 °C during warm-up phase of the heated lid reduces thermal load on samples and minimizes formation of non-specific products

## Applications

- End-point PCR
- Cycle sequencing
- PCR optimization



PCR

## Order information

| Description                                                                                                                   | Order no.  |
|-------------------------------------------------------------------------------------------------------------------------------|------------|
| Mastercycler® X40, 100 – 240 V/50 – 60 Hz (GB), aluminum block, 96-well plate or 0.1/0.2 mL tubes, with touchscreen interface | 6381000042 |



# Mastercycler® nexus X2

### Description

The Mastercycler® nexus X2 is Eppendorf's solution for busy PCR labs. Two totally independent protocols can be run on the nexus X2 in parallel so two users can start their PCR reactions whenever it fits their schedule. With less than 40 dB[a] noise emission, the nexus X2 PCR cyclor is whisper quiet and also very energy efficient.



### Product features

- Asymmetrically divided block for running different assays in parallel, one 32-well and one 64-well block
- Intuitive graphic programming
- Universal block for strips, 0.1 mL, 0.2 mL and 0.5 mL PCR tubes and fits for divisible PCR plates

### Applications

- Standard PCR
- PCR optimization

PCR

### Order information

| Description                                     | Order no.  |
|-------------------------------------------------|------------|
| Mastercycler® nexus GX2, 230 V/50 – 60 Hz (GB)  | 6336000040 |
| Mastercycler® nexus GX2e, 230 V/50 – 60 Hz (GB) | 6338000047 |
| Mastercycler® nexus X2, 230 V/50 – 60 Hz (GB)   | 6337000043 |
| Mastercycler® nexus X2e, 230 V/50 – 60 Hz (GB)  | 6339000040 |

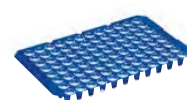
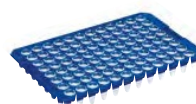


# Our Selection – Your Choice



|                                                                    |                                                                                              |                                                                                              |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>Model</b>                                                       | <b>Mastercycler® X50s/<br/>Mastercycler® X50a / Mastercycler® X50h</b>                       | <b>Mastercycler® X50i/<br/>Mastercycler® X50l / Mastercycler® X50t</b>                       |
| <b>Page(s)</b>                                                     | <b>8</b>                                                                                     | <b>9</b>                                                                                     |
| <b>Dimensions (W × D × H)</b>                                      | <b>27.5 × 43 × 33 cm / 10.8 × 16.9 × 13 in/</b>                                              | <b>27.5 × 43 × 33 cm / 10.8 × 16.9 × 13 in</b>                                               |
| <b>2D-Gradient block</b>                                           | over 12 columns and 8 rows/<br>over 12 columns and 8 rows/<br>over 24 columns and 16 rows    | over 12 columns and 8 rows/<br>over 12 columns and 8 rows/<br>over 24 columns and 16 rows    |
| <b>Gradient block</b>                                              | –                                                                                            | –                                                                                            |
| <b>Heating rate</b>                                                | max. 10 °C/s / max. 5 °C/s / max. 5 °C/s                                                     | max. 10 °C/s / max. 5 °C/s / max. 5 °C/s                                                     |
| <b>Cooling rate</b>                                                | max. 5 °C/s / max. 2.3 °C/s / max. 2.3 °C/s                                                  | max. 5 °C/s / max. 2.3 °C/s / max. 2.3 °C/s                                                  |
| <b>Interfaces</b>                                                  | Ethernet, USB                                                                                | Ethernet, USB                                                                                |
| <b>Lid descent</b>                                                 | flexlid® technology with thermal sample protection                                           | flexlid® technology with thermal sample protection                                           |
| <b>Lid temperature range</b>                                       | 37 – 110 °C                                                                                  | 37 – 110 °C                                                                                  |
| <b>Sample capacity</b>                                             | 96-well plate or 0.1/0.2 mL tubes<br>/ 96-well plate or 0.1/0.2 mL<br>tubes / 384-well plate | 96-well plate or 0.1/0.2 mL tubes /<br>96-well plate or 0.1/0.2 mL<br>tubes / 384-well plate |
| <b>Gradient temperature control range</b>                          | 30 – 99 °C                                                                                   | 30 – 99 °C                                                                                   |
| <b>Temperature control<br/>range of the block</b>                  | 4 – 99 °C                                                                                    | 4 – 99 °C                                                                                    |
| <b>Thermoblock</b>                                                 | Silver / Aluminum / Aluminum                                                                 | Silver / Aluminum / Aluminum                                                                 |
| <b>Remote Device Monitoring<br/>and Notifications (VisioNize®)</b> | VisioNize® touch enabled/                                                                    | VisioNize® enabled                                                                           |

<sup>1)</sup> measured at the block



|                               |                                                                                                                                                            |                                                                                                                 |                                                       |                                                                      |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------|
| <b>Model</b>                  | <b>Eppendorf twin.tec® Trace<br/>PCR Plates/<br/>Eppendorf twin.tec® PCR<br/>Plate 96 skirted/ Eppen-<br/>dorf twin.tec® Trace PCR<br/>Plates BioBased</b> | <b>Eppendorf twin.tec® PCR<br/>Plate 96 semi-skirted/<br/>Eppendorf twin.tec® Trace<br/>PCR Plates BioBased</b> | <b>Eppendorf twin.tec® PCR<br/>Plate 96 unskirted</b> | <b>Eppendorf twin.tec®<br/>PCR Plate 96 unskirted,<br/>divisible</b> |
| <b>Page(s)</b>                | <b>12</b>                                                                                                                                                  | <b>12</b>                                                                                                       | <b>12</b>                                             | <b>12</b>                                                            |
| <b>Number of wells</b>        | 96 wells/96 wells                                                                                                                                          | 96 wells                                                                                                        | 96 wells                                              | 96 wells                                                             |
| <b>Total volume per well</b>  | 150 µL                                                                                                                                                     | 250 µL                                                                                                          | 150 or 250 µL                                         | 150 or 250 µL                                                        |
| <b>OptiTrack® frame color</b> | colorless<br>yellow<br>green<br>blue<br>red<br>crystal blue<br>fuchsia                                                                                     | colorless<br>yellow<br>green<br>blue<br>red                                                                     | colorless<br>blue                                     | colorless<br>blue                                                    |

PCR



### Mastercycler® X40

### Mastercycler® nexus GX2

|                                           |                                                            |
|-------------------------------------------|------------------------------------------------------------|
| <b>10</b>                                 | <b>11</b>                                                  |
| 24.5 × 38.5 × 23 cm / 9.7 × 15.2 × 9.1 in | 25 × 41.2 × 33 cm / 9.8 × 16.2 × 13 in                     |
| –                                         | –                                                          |
| over 12 columns                           | over 8 rows (0.2 mL)                                       |
| 3.3 °C/s                                  | max. 3 °C/s <sup>1)</sup>                                  |
| 1.5 °C/s                                  | max. 2 °C/s <sup>1)</sup>                                  |
| Ethernet, USB                             | CAN_in/CAN_out, Ethernet, USB                              |
| SafeLid with thermal sample protection    | flexlid® technology, with thermal sample protection        |
| 37 – 110 °C                               | 37 – 110 °C                                                |
| 96-well plate or 0.1/0.2 mL tubes         | 64/32 × 0.2 mL PCR tubes or up to 24/10 × 0.5 mL PCR tubes |
| 30 – 99 °C                                | 30 – 99 °C                                                 |
| 4 – 99 °C                                 | 4 – 99 °C                                                  |
| Aluminum                                  | Aluminum                                                   |
| VisioNize® touch enabled                  | VisioNize® box enabled                                     |



### Eppendorf twin.tec® PCR Plate 384

### Eppendorf twin.tec® Trace PCR Plates

### Eppendorf twin.tec® PCR Plate LoBind®

### Eppendorf twin.tec® PCR Plate, Forensic DNA Grade

### Eppendorf twin.tec® 96 real-time PCR Plate

|           |           |                     |                     |               |
|-----------|-----------|---------------------|---------------------|---------------|
| <b>12</b> | <b>13</b> | <b>13</b>           | <b>12</b>           | <b>14</b>     |
| 384 wells | 96 wells  | 96 wells 384 wells  | 96 wells 384 wells  | 96 wells      |
| 45 µL     | 150 µL    | 150 or 250 µL 45 µL | 150 or 250 µL 45 µL | 150 or 250 µL |
| colorless | colorless | colorless colorless | colorless colorless | white         |
| yellow    |           | yellow              |                     | blue          |
| green     |           | green               |                     |               |
| blue      |           | blue                |                     |               |
| red       |           | red                 |                     |               |





# PCR consumables



Eppendorf twin.tec® plates are available in different colors.

The Eppendorf twin.tec® PCR plate combines extremely thin-walled polypropylene wells for great heat transfer to the sample with robust polycarbonate frames for high rigidity. With raised well rims, twin. tec plates enable highly effective sealing to reduce the risk of crosscontamination.

The heart of our PCR consumables is the Eppendorf twin.tec® PCR plate. It is available in a 96-well or 384-well format. All of the 96-well plates are offered in three different frame variants: unskirted, semi-skirted and, skirted to fit your instrument to your satisfaction. The

plates are also available in standard or LoBind® quality and additional variations such as low profile to suit multiple applications. We also supply a range of PCR tubes, films, foils, tube strips, and cap strips.

All PCR consumables are made of high-purity plastics and are 'PCR clean'. This means they are batch-tested and certified by an independent laboratory to be free of a range of common PCR contaminants, including DNA, DNase, RNase, and PCR inhibitors. Products that are labeled 'forensic DNA grade' fulfill the requirements for ISO 18385.

The special design and manufacturing process results in high precision products. Every single plate is a high-performance component in your workflow offering superior reproducibility.

The plate portfolio also includes plates for real-time PCR with white wells and individually wrapped microbiology plates. Those plates are specially designed for these methods and research areas, helping you to achieve the best possible results.

All Eppendorf Plates are available with customized barcodes.



Different frame formats of Eppendorf twin.tec® plates: unskirted (top), semi-skirted (middle) and skirted (bottom).



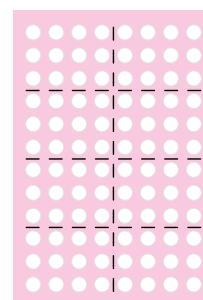
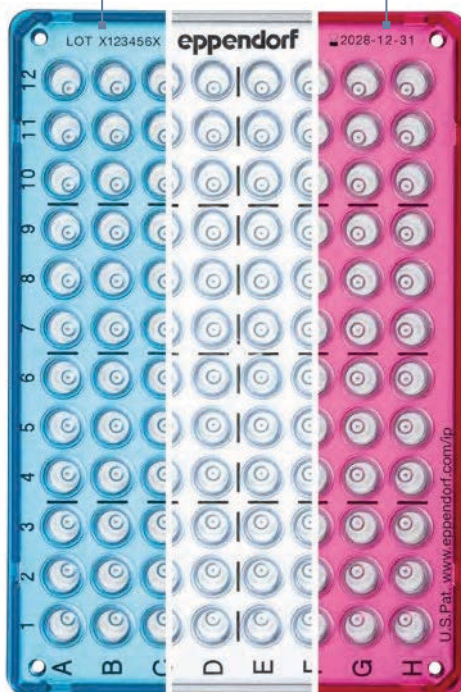
# Eppendorf twin.tec® Trace PCR Plates

LOT X123456X

Laser-engraved lot number on every plate

2028-12-31

Laser-engraved expiration date on every plate



## New innovative guiding grid

- For lightning-fast well identification

With their laser-engraved lot and expiration date, twin.tec Trace PCR plates are ideally suited for your complex studies, automated high-throughput applications and regulated workflows. They support traceability and documentation for your next audit.

In addition to their high-throughput and compliance features, these microtiter plates come with a laser-engraved optical guiding grid and OptiTrack® matrix that ensure quick well-orientation when you are pipetting manually.

Available in transparent and 2 fresh colors twin.tec Trace plates are ready to deliver optimized performance and reliability for your most demanding workflows!

All Eppendorf twin.tec Trace plates are 'PCR clean', having been batch-tested and certified by an independent and accredited laboratory to be free of a range of common PCR contaminants, including DNA, RNA, DNase, RNase, and PCR inhibitors. With these microplates you'll have maximum confidence in your results.

## Product features

- Laser-engraved lot number and expiration date on each single plate to improve traceability in your laboratory processes
- Unique laser-engraved optical guiding grid and OptiTrack® matrix for quick orientation when pipetting manually
- One-piece design: combining a polycarbonate frame and polypropylene wells for optimum performance



# PCR Consumables and Sealing



## Eppendorf twin.tec® PCR Plates

Choose Eppendorf twin.tec® PCR plates for confidence in every PCR assay. twin.tec® plates offer purity, rigidity, color, and other simple, smart features can make your daily life a lot easier. The rigid polycarbonate frame works well in automation and highthroughput processes, and the different colors mean you can quickly organize the different steps of your workflow.

All plates also available as barcoded version.

### Order information

| Description                                                                       | Order no.  |
|-----------------------------------------------------------------------------------|------------|
| <b>Eppendorf twin.tec® Trace PCR Plate 96</b> , skirted, 150 µL                   |            |
| PCR clean, colorless, 25 plates                                                   | 0030129768 |
| PCR clean, crystal blue, 25 plates                                                | 0030129776 |
| PCR clean, fuchsia, 25 plates                                                     | 0030129784 |
| <b>Eppendorf twin.tec® Trace PCR Plate 384</b> , skirted, 45 µL                   |            |
| PCR clean, colorless, 25 plates                                                   | 0030129792 |
| <b>Eppendorf twin.tec® PCR Plate 96</b> , skirted, 150 µL                         |            |
| PCR clean, colorless, 25 plates                                                   | 0030128648 |
| PCR clean, yellow, 25 plates                                                      | 0030128656 |
| PCR clean, green, 25 plates                                                       | 0030128664 |
| PCR clean, blue, 25 plates                                                        | 0030128672 |
| PCR clean, red, 25 plates                                                         | 0030128680 |
| Forensic DNA Grade, colorless, 10 plates, individually wrapped                    | 0030129601 |
| <b>Eppendorf twin.tec® PCR Plate 96</b> , semi-skirted, 250 µL                    |            |
| PCR clean, colorless, 25 plates                                                   | 0030128575 |
| PCR clean, yellow, 25 plates                                                      | 0030128583 |
| PCR clean, green, 25 plates                                                       | 0030128591 |
| PCR clean, blue, 25 plates                                                        | 0030128605 |
| PCR clean, red, 25 plates                                                         | 0030128613 |
| Forensic DNA Grade, colorless, 10 plates, individually wrapped                    | 0030129610 |
| <b>Eppendorf twin.tec® PCR Plate 384</b> , skirted, 45 µL                         |            |
| PCR clean, colorless, 25 plates                                                   | 0030128508 |
| PCR clean, yellow, 25 plates                                                      | 0030128516 |
| PCR clean, green, 25 plates                                                       | 0030128524 |
| PCR clean, blue, 25 plates                                                        | 0030128532 |
| PCR clean, red, 25 plates                                                         | 0030128540 |
| Forensic DNA Grade, colorless, 10 plates, individually wrapped                    | 0030129628 |
| <b>Eppendorf twin.tec® PCR Plate 96</b> , low profile, unskirted, 150 µL          |            |
| PCR clean, colorless, 20 plates                                                   | 0030133307 |
| PCR clean, blue, 20 plates                                                        | 0030133331 |
| <b>Eppendorf twin.tec® PCR Plate 96</b> , unskirted, 250 µL                       |            |
| PCR clean, colorless, 20 plates                                                   | 0030133366 |
| PCR clean, blue, 20 plates                                                        | 0030133390 |
| <b>Eppendorf twin.tec® PCR Plate 96</b> , divisible, unskirted, divisible, 150 µL |            |
| PCR clean, colorless, 20 plates                                                   | 0030133358 |
| PCR clean, blue, 20 plates                                                        | 0030133382 |
| <b>Eppendorf twin.tec® PCR Plate 96</b> , divisible, unskirted, divisible, 250 µL |            |
| PCR clean, colorless, 20 plates                                                   | 0030133374 |
| PCR clean, blue, 20 plates                                                        | 0030133404 |
| <b>Eppendorf twin.tec® microbiology PCR Plate 96</b> , skirted, 150 µL            |            |
| PCR clean, colorless, 10 plates                                                   | 0030129300 |
| PCR clean, blue, 10 plates                                                        | 0030129318 |
| <b>Eppendorf twin.tec® microbiology PCR Plate 96</b> , semi-skirted, 250 µL       |            |
| PCR clean, colorless, 10 plates                                                   | 0030129326 |
| PCR clean, blue, 10 plates                                                        | 0030129334 |
| <b>Eppendorf twin.tec® microbiology PCR Plate 384</b> , skirted, 45 µL            |            |
| PCR clean, colorless, 10 plates                                                   | 0030129342 |
| PCR clean, blue, 10 plates                                                        | 0030129350 |

PCR



#### Order information

| Description                                                    | Order no.  |
|----------------------------------------------------------------|------------|
| <b>Eppendorf twin.tec® PCR Plate 96</b> , skirted, 150 µL      |            |
| PCR clean, colorless, 300 plates                               | 0030128770 |
| PCR clean, green, 300 plates                                   | 0030128796 |
| PCR clean, yellow, 300 plates                                  | 0030128788 |
| PCR clean, blue, 300 plates                                    | 0030128842 |
| PCR clean, red, 300 plates                                     | 0030128850 |
| <b>Eppendorf twin.tec® PCR Plate 96</b> , semi-skirted, 250 µL |            |
| PCR clean, colorless, 300 plates                               | 0030128869 |
| <b>Eppendorf twin.tec® PCR Plate 384</b> , 45 µL               |            |
| PCR clean, colorless, 300 plates                               | 0030128931 |
| PCR clean, yellow, 300 plates                                  | 0030128940 |
| PCR clean, green, 300 plates                                   | 0030128958 |
| PCR clean, blue, 300 plates                                    | 0030128966 |
| PCR clean, red, 300 plates                                     | 0030128974 |



#### Eppendorf twin.tec® PCR Plates LoBind®

Get the most out of your PCR. Eppendorf's twin.tec® PCR plates LoBind® are specially designed to maximize the yield of your target molecules. LoBind wells are made of polypropylene, with low DNA binding properties, leading to reduced loss of target molecules and higher yields in PCR and other molecular assays.

#### Order information

| Description                                                             | Order no.  |
|-------------------------------------------------------------------------|------------|
| <b>Eppendorf twin.tec® Trace LoBind® PCR Plate 96</b> , skirted, 150 µL |            |
| PCR clean, colorless, 25 plates                                         | 0030129822 |
| <b>Eppendorf twin.tec® PCR Plate 96 LoBind®</b> , skirted, 150 µL       |            |
| PCR clean, colorless, 25 plates                                         | 0030129512 |
| PCR clean, red, 25 plates                                               | 0030129598 |
| PCR clean, blue, 25 plates                                              | 0030129580 |
| PCR clean, yellow, 25 plates                                            | 0030129679 |
| PCR clean, green, 25 plates                                             | 0030129660 |
| <b>Eppendorf twin.tec® PCR Plate 96 LoBind®</b> , skirted               |            |
| PCR clean, yellow, 300 plates                                           | 0030129563 |
| PCR clean, orange, 300 plates                                           | 0030129571 |
| PCR clean, green, 300 plates                                            | 0030129555 |
| <b>Eppendorf twin.tec® PCR Plate 96 LoBind®</b> , semi-skirted, 250 µL  |            |
| PCR clean, colorless, 25 plates                                         | 0030129504 |
| <b>Eppendorf twin.tec® PCR Plate 384 LoBind®</b> , skirted, 45 µL       |            |
| PCR clean, colorless, 25 plates                                         | 0030129547 |





# PCR Consumables and Sealing



## Eppendorf twin.tec® real-time PCR Plates

The white wells of Eppendorf's twin.tec® real-time PCR plates increase the reflection of fluorescent light in real-time PCR (qPCR) and other fluorescence assays. The increased fluorescence from these specialized qPCR plates improves the sensitivity of your assays, while also improving reproducibility and consistency of your results.

### Order information

| Description                                                                       | Order no.  |
|-----------------------------------------------------------------------------------|------------|
| <b>Eppendorf twin.tec® 96 real-time PCR Plate, skirted, 150 µL</b>                |            |
| PCR clean, blue, wells white, 25 plates                                           | 0030132505 |
| PCR clean, white, wells white, 25 plates                                          | 0030132513 |
| Forensic DNA Grade, white, wells white, 10 plates, individually wrapped           | 0030129636 |
| <b>Eppendorf twin.tec® 96 real-time PCR Plate, semi-skirted, 250 µL</b>           |            |
| PCR clean, blue, wells white, 25 plates                                           | 0030132530 |
| PCR clean, white, wells white, 25 plates                                          | 0030132548 |
| Forensic DNA Grade, white, wells white, 10 plates, individually wrapped           | 0030129644 |
| <b>Eppendorf twin.tec® 96 real-time PCR Plate, unskirted, low profile, 150 µL</b> |            |
| PCR clean, white, wells white, 20 plates                                          | 0030132700 |
| PCR clean, blue, wells white, 20 plates                                           | 0030132718 |

New



## Eppendorf twin.tec® Trace PCR Plates BioBased

The twin.tec® Trace PCR Plates BioBased complete the Eppendorf biobased consumables product portfolio - revalidation of existing protocols when switching from conventional fossilbased twin.tec® Trace PCR Plates is not needed.

They are made for reproducible high-quality results in and provide high rigidity, geometrical consistency, and optimal heat transfer to the sample.

The polymer resins are made from biobased renewable resources following the mass balance approach where fossil oils are substituted by second-generation renewable resources. The resulting biobased polymers are chemically identical to the fossil oil-based polymers and thus show identical superior technical performance as our conventional fossil-based twin.tec® Trace PCR Plates. With laser engraved lot and expiration date, these plates are ideally suited for complex studies, automated high-throughput applications and regulated workflows and support traceability and documentation for audit purpose.

### Order information

| Description                                                                                                                | Order no.  |
|----------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Eppendorf twin.tec® Trace PCR Plates 96 BioBased, skirted, 150 µL, PCR clean, colorless, ACT, 25 plates</b>             | 0030129849 |
| <b>Eppendorf twin.tec® Trace PCR Plates 96 BioBased, skirted, 150 µL, PCR clean, spring green, ACT, 25 plates</b>          | 0030129857 |
| <b>Eppendorf twin.tec® Trace PCR Plates 96 BioBased LoBind, skirted, 150 µL, PCR clean, colorless, ACT, 25 plates</b>      | 0030531086 |
| <b>Eppendorf twin.tec® Trace PCR Plates 96 BioBased, semi-skirted, 250 µL, PCR clean, colorless, ACT, 25 plates</b>        | 0030531043 |
| <b>Eppendorf twin.tec® Trace PCR Plates 96 BioBased LoBind, semi-skirted, 250 µL, PCR clean, colorless, ACT, 25 plates</b> | 0030531060 |
| <b>Eppendorf twin.tec® Trace PCR Plates 384 BioBased, skirted, 45 µL, PCR clean, colorless, ACT, 25 plates</b>             | 0030531051 |
| <b>Eppendorf twin.tec® Trace PCR Plates 384 BioBased LoBind, skirted, 45 µL, PCR clean, colorless, ACT, 25 plates</b>      | 0030531078 |



# PCR Consumables and Sealing



## Eppendorf PCR Tubes

Since 1963, when Eppendorf invented the microcentrifuge tube, Eppendorf tubes have proven to be reliable companions in a scientist's daily work. Eppendorf PCR tubes are easy to open and provide tight sealing to prevent evaporation in PCR. With their thin, consistent wall thickness and smooth wall surface, they also ensure efficient heat transfer to the sample, speeding up your PCR.

### Order information

| Description                                                                     | Order no.  |
|---------------------------------------------------------------------------------|------------|
| <b>Eppendorf PCR Tube Strips, 0.1 mL</b>                                        |            |
| PCR clean, without lids (10 × 12 strips)                                        | 0030124804 |
| PCR clean, with Cap Strips, domed (10 × 12 strips)                              | 0030124812 |
| PCR clean, with Cap Strips, flat (10 × 12 strips)                               | 0030124820 |
| <b>Eppendorf PCR Tubes, 0.2 mL</b>                                              |            |
| PCR clean, colorless, 1,000 pcs.                                                | 0030124332 |
| Forensic DNA Grade, colorless, 500 pcs. (5 bags × 100 pcs.)                     | 0030124707 |
| <b>Eppendorf PCR Tube Strips, 0.2 mL</b>                                        |            |
| PCR clean, 8-tube strips, 120 pcs. (960 tubes)                                  | 0030124359 |
| <b>Eppendorf PCR Tubes, 0.5 mL, PCR clean, with hinged lid, clear, 500 pcs.</b> | 0030124537 |

## Eppendorf Fast PCR Tube Strips

The Eppendorf Fast PCR Tube Strips are made of polyethylene to transfer heat faster than tubes made of traditional plastics. These PCR strips with caps are particularly suited to fast PCR, for example using fast PCR reagent kits or cyclers with high heating and cooling rates, such as the Mastercycler® X50 family.

### Order information

| Description                                                        | Order no.  |
|--------------------------------------------------------------------|------------|
| <b>Eppendorf Fast PCR Tube Strips</b>                              |            |
| 0.1 mL, without lids, PCR clean, 120 pcs. (10 × 12 pcs.)           | 0030124901 |
| 0.1 mL, with cap strips, flat, PCR clean, 120 pcs. (10 × 12 pcs.)  | 0030124910 |
| 0.1 mL, with cap strips, domed, PCR clean, 120 pcs. (10 × 12 pcs.) | 0030124928 |

## PCR cap strips

Eppendorf Cap Strips provide easy and rapid sealing of Eppendorf twin.tec® PCR plates, PCR tubes and other standard multiwell plates. Each strip has eight PCR caps for use on 0.1 mL and 0.2 mL wells.

PCR Cap Strips can also be used in real-time PCR (qPCR) assays. In this case it is recommended to use flat capped strips or Masterclear® strips for maximal transparency. If you encounter evaporation and sample loss, domed caps can be used to provide a tighter seal when using a heated lid. Eppendorf Cap Strips can be sterilized by autoclaving for 20 minutes at 121 °C.

### Order information

| Description                                                                           | Order no.  |
|---------------------------------------------------------------------------------------|------------|
| <b>Cap Strips, 8-strips, domed, 120 pcs. (10 bags × 12 pcs.)</b>                      | 0030124839 |
| <b>Cap Strips, 8-strips, flat, 120 pcs. (10 × 12 pcs.)</b>                            | 0030124847 |
| <b>real-time PCR Tube Strips, without caps, 120 pcs. (10 × 12 pcs.)</b>               | 0030132882 |
| <b>Masterclear® Cap Strips and real-time PCR Tube Strips, 120 pcs. (10 × 12 pcs.)</b> | 0030132890 |
| <b>Masterclear® Cap Strip, 120 pcs. (10 × 12 pcs.)</b>                                | 0030132874 |





# PCR Consumables and Sealing



### PCR-Cooler

Say goodbye to unstable racks and ice buckets at your bench. The PCR racks are ideal for safe sample transport and storage while the PCR-Cooler is perfect for keeping your samples cold throughout your PCR setup without using ice. Suitable for 0.2 mL and 0.5 mL PCR tubes and for 96-well PCR plates.

#### Order information

| Description                                           | Order no.                  |
|-------------------------------------------------------|----------------------------|
| <b>PCR-Cooler 0.2 mL Starter Set</b> , 1 pink, 1 blue | <a href="#">3881000015</a> |
| <b>PCR-Cooler 0.2 mL</b> , Pink                       | <a href="#">3881000023</a> |
| <b>PCR-Cooler 0.2 mL</b> , Blue                       | <a href="#">3881000031</a> |



### PCR-Rack

Handling several PCR tubes or tube strips can be cumbersome. Eppendorf PCR racks are a great help when dealing with numerous 0.1, 0.2, and 0.5 mL tubes and strips. The racks are stackable, can be stored down to -90°C and can be autoclaved.

#### Order information

| Description                                | Order no.                  |
|--------------------------------------------|----------------------------|
| <b>PCR-Rack</b> , assorted colors, 10 pcs. | <a href="#">0030124545</a> |

PCR



### PCR films & foils

Eppendorf PCR films and foils provide effective and airtight sealing for plates to help protect PCR samples during thermal cycling and storage. PCR plate seals offer excellent chemical resistance and have been tested for resistance to a variety of common laboratory substances. Specialized seals with optimal optical properties are available to help minimize signal loss in qPCR.

#### Order information

| Description                                                                 | Order no.                  |
|-----------------------------------------------------------------------------|----------------------------|
| <b>Eppendorf Heat Sealing Film</b> , PCR clean, 100 pcs.                    | <a href="#">0030127838</a> |
| <b>Eppendorf Heat Sealing Foil</b> , PCR clean, 100 pcs.                    | <a href="#">0030127854</a> |
| <b>Eppendorf PCR Film</b> , self-adhesive, PCR clean, 100 pcs.              | <a href="#">0030127781</a> |
| <b>Eppendorf PCR Foil</b> , self-adhesive, PCR clean, 100 pcs.              | <a href="#">0030127790</a> |
| <b>Masterclear® real-time PCR Film</b> , self-adhesive, PCR clean, 100 pcs. | <a href="#">0030132947</a> |



# HeatSealer



PCR

To obtain reliable assay results, PCR plates need to be sealed tightly in a reproducible manner – and the same is true for maintaining sample integrity during storage. The HeatSealers S100 and S200 are user friendly instruments for reliable plate sealing of different plate formats. In combination with our range of adapters, Eppendorf HeatSealers enable you to seal almost any plate.

| Order information                                                     |            |
|-----------------------------------------------------------------------|------------|
| Description                                                           | Order no.  |
| HeatSealer S100, incl. PCR Plate Adapter, 100 – 230 V/50 – 60 Hz (GB) | 5391000036 |
| HeatSealer S200, incl. PCR Plate Adapter, 100 – 230 V/50 – 60 Hz (GB) | 5392000030 |
| Plate Adapter low profile, for HeatSealer S100                        | 5391070018 |
| Plate Adapter high profile, for HeatSealer S100                       | 5391070034 |
| 96-well-PCR Plate Adapter, for HeatSealer S100                        | 5391070026 |
| Plate Adapter high profile, for HeatSealer S200                       | 5392070011 |
| Plate Adapter low profile, for HeatSealer S200                        | 5392070020 |
| 96-well Plate Adapter, for HeatSealer S200                            | 5392070038 |
| Eppendorf Heat Sealing Film, PCR clean, 100 pcs.                      | 0030127838 |
| Eppendorf Heat Sealing Foil, PCR clean, 100 pcs.                      | 0030127854 |

# eppendorf

## Pipette tip portfolio.



Passionate for science.





# The Perfect Fit – Eppendorf Pipette Tips

With respect to material, fit, design and operating forces, our pipette tips set standards. The close environment of each sample should be adapted to its specific quality and purity needs. This can involve a specific purity level or the absence of certain substances, but also stability, reliability of quality standard or geometry. Our epT.I.P.S. – Eppendorf Totally Integrated Pipetting System – have been developed to work in perfect combination with our pipettes. This results in reduced tip attachment and ejection forces while maintaining a complete seal between tip and pipette.

In the Eppendorf owned production facilities in the north of Germany, we can maintain the high standards in the selection and processing of plastic materials. Optimized wetting properties, high transparency, and special certified purity levels are the visible expression of this production philosophy.

Sustainability is playing an increasingly important role also in the laboratory. This is why Eppendorf searched for more sustainable manufacturing materials in order to conserve resources and offers now also pipette tips made of biobased polypropylene providing the same premium quality and purity our customers need for their experiments. For those parts, which do not come into direct contact with the sample, disposable Racks, we have begun to manufacture the undersides from “Post Consumer Recyclate” of industrial origin, obtained exclusively from leftover materials arising during the contact lens manufacturing process. This pure PP recyclate has identical properties in terms of stability and safety as the previously used virgin PP: Purity and sterility of pipette tips are not compromised in any way.

How to reduce laboratory waste volume by choosing the right packaging format. Depending on their purity grade, epT.I.P.S. pipette tips and ep Dualfilter T.I.P.S. filter pipette tips are available in a number of different packaging formats.

It is precisely the different forms of packaging that generate large proportions of laboratory waste. This can be remedied by optimizing the packaging with regard to the type of use, but also by reducing the amount of manufacturing material required.

## Our challenge in developing the new epT.I.P.S. packaging design

For special applications that require a high degree of integrity and purity, there is no alternative to the disposable packaging form. But our disposable racks also had potential for plastic savings. We were able to save up to 30 % polypropylene (PP) in the production of the epT.I.P.S. and ep Dualfilter T.I.P.S. Racks for pre-sterilized pipette tips. Additionally we designed a new reload variant for pre-sterilized pipette tips like epT.I.P.S. BioBased Biopur and ep Dualfilter T.I.P.S. BioBased to be used with our well-known epT.I.P.S. Boxes 2.0. Where possible this new form of packaging is the more sustainable and plastic-saving alternative to disposable racks while maintaining sterility and purity. Up to 54 % polypropylene (PP) is saved and at the same time the waste volume generated in the laboratory is reduced by about 30%.

Depending on their purity grade, epT.I.P.S. pipette tips from Eppendorf are available in a number of different packaging formats:



### epT.I.P.S.\* Reloads

- Reduced waste as compared with disposable racks
- The refill trays can be autoclaved up to 121 °C, in packaging and without foil, for subsequent use
- The refill system, depending on tip size, is packaged as either dualsided or in stack form



### epT.I.P.S.\* BioBased\* Sterile Reloads

- available for epT.I.P.S.\* BioBased Biopur®, ep Dualfilter T.I.P.S.\* BioBased PCR clean/Sterile, ep Dualfilter T.I.P.S.\* SealMax® Biopur®
- Less waste – reduce your waste volume up to 30 % compared to disposable racks
- Less raw material – reduced CO<sub>2</sub> – up to 54 % less raw material compared to disposable racks

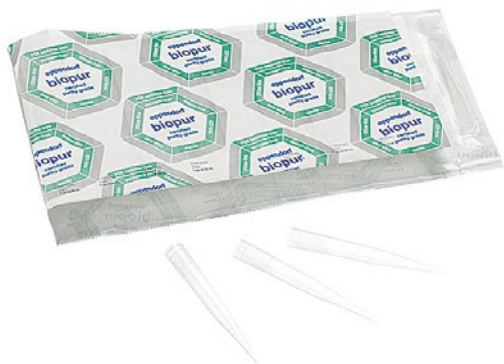
\*for more information see Page 8,9 in Sustainability chapter and 37 Manual Liquid Handling chapter



#### epT.I.P.S.® Box 2.0/epT.I.P.S.® Set

- Contamination-free transfer of Reloads to stable working box
- System optimized for use with multi-channel pipettes
- Color-coded trays for simple identification of tips and pipette

#### epT.I.P.S.® Singles



- Eppendorf Biopur pipette tip, individually wrapped
- Ensured PCR clean, sterile, pyrogen-, ATP- and DNA-free
- For use in pharmaceutical and food industry research, molecular biology and cell technology



#### epT.I.P.S.® Racks

- Eppendorf Biopur® pipette tips in disposable Racks, the Rack body of which is made from “single-source” intra-type collection PP recycle, have our highest degree of biological purity.
- Ensured PCR clean, sterile, pyrogen-, ATP- and DNA-free
- All pre-sterilized epT.I.P.S. and ep Dualfilter T.I.P.S. variants are available in Racks whose body is made of 100% recycle



#### epT.I.P.S.® Standard

- Original, high-quality Eppendorf pipette tips in resealable bags, also available as epT.I.P.S. Standard BioBased
- Available in sizes from 10 µL to 10 mL in Eppendorf Quality purity grade
- epT.I.P.S. Standard 200 µL, 300 µL and 1,000 µL tips are also available color-coded yellow and blue



# Eppendorf Purity Grades for Tips

epT.I.P.S.<sup>®</sup>, ep Dualfilter T.I.P.S.<sup>®</sup> and ep Dualfilter T.I.P.S.<sup>®</sup> SealMax<sup>®</sup> stand for our highest quality and purity

The high precision and accuracy of pipette tips and filter pipette tips is ensured by precise molding. Each lot of our pipette tips is subject to gravimetric measurement during final testing. Low wetting ensures reliable volume readings and minimal adhesion. Pipette tips made of PP (polypropylene). A relatively inert plastic characterized by low wettability as well as high dimensional and mechanical stability across a wide temperature range. Our tips are available in a variety of purity grades.



## Eppendorf Certificate

### Certificate of Purity – PCR clean

This package contains a high quality consumable manufactured under the PCR clean Eppendorf Purity Standard.

The Eppendorf PCR clean consumables are produced in a class 6 (according to VDI 2083) and a class 100,000 (according to U.S. Fed. Stand. 209 D) clean room environment.

For this product Eppendorf certifies the following [\*]:

- Free of detectable
- Human DNA
- DNase
- RNase
- PCR inhibitors



Quality control and subsequent certification is done by an independent laboratory (accredited by DAKKS). Lot-specific certificates are available on request or on the internet at [www.eppendorf.com/certificates](http://www.eppendorf.com/certificates).

The certification comprises the following tests:

#### Human DNA Contamination Test

A PCR master mix is prepared using the QuantiTect<sup>®</sup> Sybr<sup>®</sup> Green PCR Kit (Qiagen<sup>®</sup>) and primer for the detection of human DNA. The primers amplify a 294 bp fragment present in more than 1x10<sup>5</sup> copies per human cell. The master mix (15 µl) is added to 5 positive control vessels containing known amounts of human DNA (32, 16, 8, 4 and 2 pg in 10 µl H<sub>2</sub>O) plus a negative control (10 µl DNA-free H<sub>2</sub>O).

15 samples are rinsed one after another with DNA-free water. 10 µl of this solution is added to 15 µl master mix. PCR is done for 30 cycles.

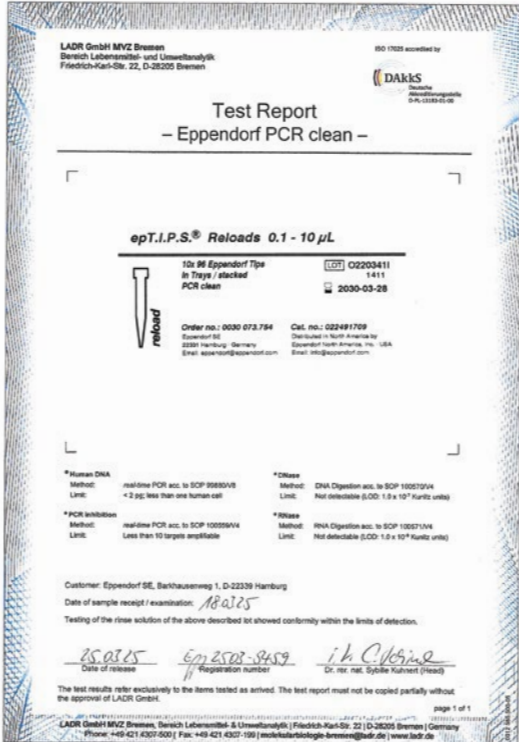
The emittance of Sybr Green-induced fluorescence is detected in samples and controls. For the samples to pass certification, no fluorescence must be found corresponding to the negative control.

#### DNase Test

15 samples are rinsed one after another with DNA-free water. 17 µl of these solutions are mixed with 3 µl DNase-buffer containing 100 bp DNA-ladder in a DNase-free tube. A positive control is spiked with DNase, a negative control contains DNA-free water. All tubes are incubated for 24 h at 37 °C.

Page 1 of 2

[www.eppendorf.com](http://www.eppendorf.com)



Test Report  
- Eppendorf PCR clean -

epT.I.P.S.<sup>®</sup> Reloads 0.1 - 10 µL

12x 96 Eppendorf Tips in Trays / stacked PCR clean

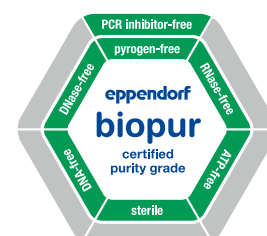
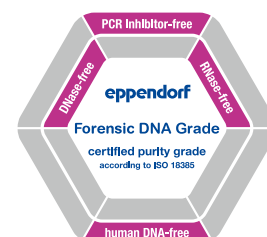
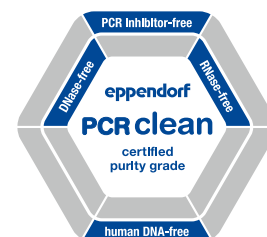
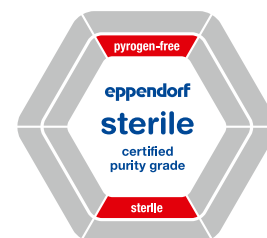
Order no.: 0030 073.794    Cat. no.: 02491709  
Eppendorf SE    Distributed in North America by:  
2030 Hamburg, Germany    Eppendorf North America, Inc., USA  
Email: [ep@eppendorf.com](mailto:ep@eppendorf.com)    Email: [info@eppendorf.com](mailto:info@eppendorf.com)

Customer: Eppendorf SE, Berkaustraße 1, D-22339 Hamburg  
Date of sample receipt / examination: 18.03.15  
Testing of the rinsed solution of the above described lot showed conformity within the limits of detection.

Date of release: 25.03.15    Registration number: 674502-9459    Dr. rer. nat. Sybille Kuhnert (Head)

The test results refer exclusively to the items tested as arrived. The test report must not be copied partially without the approval of LADR GmbH.

LADR GmbH MVZ Bremen, Bereich Lebensmittel- und Umweltanalytik | Friedrich-Karl-Str. 22 | D-28205 Bremen | Germany  
Phone: +49 421 4307-600 | Fax: +49 421 4307-199 | [info@laboratordiagnostik-bremen.de](mailto:info@laboratordiagnostik-bremen.de) | [www.ladr.de](http://www.ladr.de)



Liquid handling.





## Pure quality

With the strictest control criteria, internally and externally monitored, we ensure the consistent high quality of our products – from lot to lot. Our consumables are available in a variety of purity qualities. Eppendorf Quality as well as more advanced purity grades:

”Sterile, Protein-free, PCR clean, Eppendorf Forensic DNA Grade, and Biopur<sup>®</sup>“. In addition to our internal process controls and general quality certificates, lot-specific certificates are provided by an external accredited laboratory for the Sterile, Protein-free, PCR clean, Eppendorf Forensic DNA Grade, and Biopur purity grades. This allows us to consistently meet our customer’s high demands when it comes to purity ([www.eppendorf.link/purity](http://www.eppendorf.link/purity)). As a special service, we make the inspection certificate for each delivered lot available online ([www.eppendorf.link/certificates](http://www.eppendorf.link/certificates)).

| Purity grades                                                                 |                   |                   |                     |                             |                                            |                     |
|-------------------------------------------------------------------------------|-------------------|-------------------|---------------------|-----------------------------|--------------------------------------------|---------------------|
| Eppendorf purity grades for tips                                              | Eppendorf Quality | Eppendorf Sterile | Eppendorf PCR clean | Eppendorf PCR clean/Sterile | Eppendorf Forensic DNA Grade <sup>3)</sup> | Biopur <sup>®</sup> |
| <b>Continuous quality control for the following relevant criteria:</b>        |                   |                   |                     |                             |                                            |                     |
| Function, tightness, precision                                                | •                 | •                 | •                   | •                           | •                                          | •                   |
| Low wetting                                                                   | •                 | •                 | •                   | •                           | •                                          | •                   |
| High chemical resistance                                                      | •                 | •                 | •                   | •                           | •                                          | •                   |
| High thermal resistance                                                       | •                 | •                 | •                   | •                           | •                                          | •                   |
| High transparency                                                             | •                 | •                 | •                   | •                           | •                                          | •                   |
| Precisely shaped                                                              | •                 | •                 | •                   | •                           | •                                          | •                   |
| <b>Lot-specific certified<sup>1)</sup> for the following purity criteria:</b> |                   |                   |                     |                             |                                            |                     |
| Pyrogen-free <sup>4)</sup> (endotoxin-free)                                   |                   | •                 |                     | •                           |                                            | •                   |
| Sterile (Ph.Eur./USP)                                                         |                   | •                 |                     | •                           |                                            | •                   |
| DNA-free <sup>4)</sup> (Human DNA)                                            |                   |                   | •                   | •                           | •                                          | •                   |
| DNA-free <sup>4)</sup> (Bacteria DNA)                                         |                   |                   |                     |                             |                                            | •                   |
| DNase-free <sup>4)</sup>                                                      |                   |                   | •                   | •                           | •                                          | •                   |
| RNase-free <sup>4)</sup>                                                      |                   |                   | •                   | •                           | •                                          | •                   |
| PCR-inhibitor-free <sup>4)</sup>                                              |                   |                   | •                   | •                           | •                                          | •                   |
| ATP-free <sup>4)</sup>                                                        |                   |                   |                     |                             |                                            | •                   |
| <b>Eppendorf tips</b>                                                         |                   |                   |                     |                             |                                            |                     |
| epT.I.P.S. <sup>®</sup> Standard, Box and Set                                 | •                 |                   |                     |                             |                                            |                     |
| epT.I.P.S. <sup>®</sup> Reloads                                               | •                 |                   | •                   |                             |                                            |                     |
| epT.I.P.S. <sup>®</sup> BioBased Reloads                                      |                   |                   |                     |                             |                                            | •                   |
| epT.I.P.S. <sup>®</sup> Racks                                                 |                   | • <sup>2)</sup>   |                     |                             |                                            | •                   |
| epT.I.P.S. <sup>®</sup> Singles                                               |                   |                   |                     |                             |                                            | •                   |
| epT.I.P.S. <sup>®</sup> 384 Reload and Set                                    | •                 |                   | •                   |                             |                                            |                     |
| ep Dualfilter T.I.P.S. <sup>®</sup>                                           |                   |                   |                     | •                           | •                                          |                     |
| ep Dualfilter T.I.P.S. <sup>®</sup> BioBased                                  |                   |                   |                     | •                           |                                            |                     |
| ep Dualfilter T.I.P.S. <sup>®</sup> 384 Rack                                  |                   |                   |                     | •                           |                                            |                     |
| ep Dualfilter T.I.P.S. <sup>®</sup> SealMax <sup>®</sup>                      |                   |                   |                     | •                           |                                            |                     |
| ep Dualfilter T.I.P.S. <sup>®</sup> SealMax <sup>®</sup> BioBased             |                   |                   |                     |                             |                                            | •                   |
| Combitips advanced <sup>®</sup>                                               | •                 | • <sup>2)</sup>   | •                   |                             | •                                          | •                   |
| ViscoTip <sup>®</sup>                                                         | •                 |                   |                     |                             |                                            |                     |
| epT.I.P.S. <sup>®</sup> Motion                                                | •                 | •                 |                     |                             |                                            |                     |
| epT.I.P.S. <sup>®</sup> Motion filtertips                                     |                   |                   | •                   | •                           |                                            |                     |

<sup>1)</sup> Lot-specific certificate can be downloaded from [www.eppendorf.com/certificates](http://www.eppendorf.com/certificates) <sup>2)</sup> Only available in North America. <sup>3)</sup> According to ISO 18385. <sup>4)</sup> Testing showed conformity within the detection limits



# epT.I.P.S.<sup>®</sup>

## Description

epT.I.P.S. pipette tips – Eppendorf Totally Integrated Pipetting System – the perfect combination with Eppendorf pipettes, resulting in reduced-force tip attachment and ejection with complete sealing.



## Product features

- New: epT.I.P.S.<sup>®</sup> BioBased Biopur<sup>®</sup> - made of 100 % bio-based PP according to mass-balance approach (check out [www.eppendorf.link/BioBased](http://www.eppendorf.link/BioBased) for more information) - available in the new Reload Variant for pre-sterilized pipette tips and as epT.I.P.S. Standard BioBased Eppendorf Quality in resealable bags - help to reduce the usage of fossil oil-sourced manufacturing material, reduce the CO<sub>2</sub> footprint of your lab
- New Reload variant for pre-sterilized pipette tips reduces the use of plastic up to 54 % and the plastic waste up to 30 % compared to our disposable Racks
- Disposable Racks with body made from single-source intra-type collection PP recydate, reclosable, optimized for safe stacking, in sterile packaging in accordance with DIN EN ISO 11607-1 and 2 and DIN EN 868-2 to 10

## Applications

- Pipetting liquids
- Dispensing liquids
- Mixing liquids
- Filling plates and reaction vessels
- Filling gels for electrophoresis
- Phase extraction and removal of supernatants
- For applications in 384-microplate format we recommend using 16- or 24-channel pipettes together with epT.I.P.S. 384

# epT.I.P.S.<sup>®</sup> Box 2.0 for epT.I.P.S.<sup>®</sup> Reloads



## Product features

- epT.I.P.S.<sup>®</sup> Box 2.0 – empty reusable boxes for tip volumes of 10 µL - 5 mL
- epT.I.P.S.<sup>®</sup> Box 2.0 – all three sizes are available in Eppendorf Quality
- Autoclavable at 121 °C (20 min.) for subsequent use

Liquid handling.

## Order information

### Description

**epT.I.P.S.<sup>®</sup> Box 2.0 for epT.I.P.S.<sup>®</sup> Reloads**, empty box, does not include tips

Eppendorf Quality, 10 – 300 µL

Eppendorf Quality, 1,000 – 1,250 µL

Eppendorf Quality, 1,250 µL L – 5 mL

### Order no.

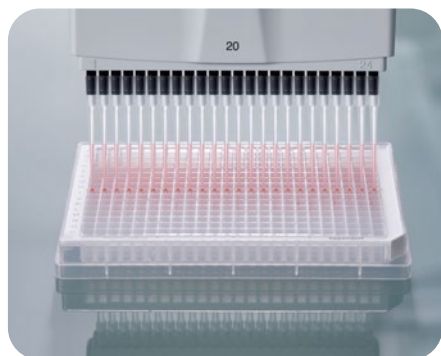
0030076249

0030076257

0030076265



## epT.I.P.S.<sup>®</sup> 384



### epT.I.P.S. 384 pipette tips with innovative SoftAttach<sup>™</sup> technology for 16- and 24-channel as well as adjustable tip spacing pipettes

epT.I.P.S. 384 micropipette tips with the innovative SoftAttach technology are optimized for use with Eppendorf Research<sup>®</sup> plus and Xplorer<sup>®</sup> plus 16- and 24-channel pipettes, as well as 20 µL and 100 µL Move It<sup>®</sup> adjustable tip spacing pipettes. Process 384-well plates manually with our highest level of tip tightness and alignment but extremely low operating forces.

#### Product features

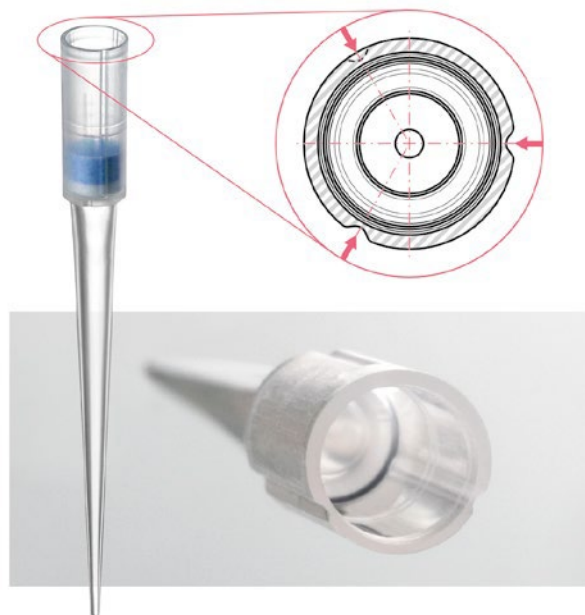
- epT.I.P.S. 384 pipette tips build a system together with the Research plus and Xplorer plus 16- and 24-channel pipettes as well as 20 µL and 100 µL Move It adjustable tip spacing pipettes for utmost safety and reliability
- Designed for a cone distance of 4.5 mm
- Innovative SoftAttach technology allows for reliable tip fit and tightness



#### The elastic forming grooves

As soon as the tips are attached, they adapt perfectly to the shape of the tip cone. This SoftAttach technology allows the user to achieve perfect tip tightness and safety with our system.

## ep Dualfilter T.I.P.S.<sup>®</sup> 384



#### Description

ep Dualfilter T.I.P.S. 384 with the innovative SOFTattach technology are optimally coordinated to the Eppendorf 16- and 24-channel pipettes Research plus and Xplorer plus, as well as 20 µL and 100 µL Move It adjustable tip spacing pipettes. Process 384-well plates manually with highest level of filter pipette tip tightness and coaxiality but extraordinary low operating forces.

#### Product features

- ep Dualfilter T.I.P.S. 384 pipette tips build a system together with the Research plus and Xplorer plus 16- and 24-channel pipettes as well as 20 µL and 100 µL Move It adjustable tip spacing pipettes for utmost safety and reliability
- Innovative SOFTattach technology allows for reliable tip fit and tightness while operating forces are reduced to a minimum
- Fill a whole 384-well plate without loosening pipette tips

#### An extraordinary tip alignment

All tips are perfectly aligned, making it easy and safe to transfer up to 24 samples simultaneously to the 384-well plate.





## ep Dualfilter T.I.P.S.<sup>®</sup>



### Description

ep Dualfilter T.I.P.S. Filter Tips - The ultimate protection of pipette and sample against unintentional and unnoticed contamination by aerosols, drops and splashes.

### Product features

- Dual protection against aerosols<sup>1)</sup> and biomolecules, such as mycoplasma, bacteria, viruses and DNA<sup>2)</sup>
- Dual protection for pipette and sample
- Free of PCR inhibitor additives

The unmistakable blue and white filter layers are made of flexible, hydrophobic material to fit perfectly in the tip cone and retain practically 100 % of all aerosols<sup>1)</sup> and biomolecules. This unique filtering effect is achieved using various well-defined pore sizes in the two filter layers.

<sup>1)</sup> An aerosol is a colloid of fine solid particles or liquid droplets, in air or another gas.

<sup>2)</sup> See Application Note 490 "No Trespassing for Bio-Aerosols! Approved Protection of Pipettes with ep Dualfilter T.I.P.S. Filter Pipette Tips"

## ep Dualfilter T.I.P.S.<sup>®</sup> SealMax<sup>®</sup>



### Description

ep Dualfilter T.I.P.S. SealMax Self-Sealing Filter Tips - The combination of the well known unique two-phase filter protection of sample and pipette with an innovative liquid and moisture barrier.

### Product features

- Reliable protection from liquids, aerosols<sup>1)</sup> and biomolecules, such as mycoplasma, bacteria, viruses and DNA<sup>2)</sup>
- Certificate of filter efficiency of class ISO 25 E in accordance with DIN EN ISO 29463-5 available here
- No PCR inhibiting additives

<sup>1)</sup> An aerosol is a colloid of fine solid particles or liquid droplets, in air or another gas.

<sup>2)</sup> See Application Note 490 "No Trespassing for Bio-Aerosols! Approved Protection of Pipettes with ep Dualfilter T.I.P.S. Filter Pipette Tips"



## epT.I.P.S.<sup>®</sup> Long



### Description

epT.I.P.S. PipetteTips – Eppendorf Totally Integrated Pipetting System - the perfect combination with Eppendorf pipettes, resulting in reduced-force tip attachment and ejection with complete sealing.

### Product features

- Slim design of the extra long epT.I.P.S. and ep Dualfilter T.I.P.S. pipette tips
- Always obtain high-quality results when pipetting from and into Eppendorf Tubes<sup>®</sup> 5.0 mL, conical tubes, cell culture flasks, deep wells and other deep vessels
- The risk of touching the walls of deep vessels is minimized and risk of cross-contamination is minimized



## epT.I.P.S.<sup>®</sup> BioBased, ep Dualfilter T.I.P.S.<sup>®</sup> BioBased and ep Dualfilter T.I.P.S.<sup>®</sup> BioBased SealMax<sup>®</sup>



### Description

Sustainability is playing an increasingly important role in the perception and purchasing decision of customers looking for laboratory consumables. The epT.I.P.S.<sup>®</sup> BioBased pipette tips, ep Dualfilter T.I.P.S.<sup>®</sup> BioBased and ep Dualfilter T.I.P.S.<sup>®</sup> SealMax<sup>®</sup> BioBased filter pipette tips in volumes up to 1,250 µL significantly reduce the product-related carbon footprint. The tips are made from 100 % renewable feedstock\*, calculated according to mass-balance approach.\*\* The tips are available as bulk and Reloads packaging (volume dependent).

• Filters are currently made from fossil-sourced material and will be changed to biobased material as soon as possible.

\* Find more information at [www.eppendorf.link/BioBased](http://www.eppendorf.link/BioBased)

### Product features

- Produced according to ISCC plus standards and ACT label certified
- Same precision and accuracy as you are used to from Eppendorf pipette tips
- Filter tips offer dual protection against aerosols, such as mycoplasma, bacteria, viruses and DNA <sup>2)</sup>

<sup>2)</sup> See Application Note 490 "No Trespassing for Bio-Aerosols! Approved Protection of Pipettes with ep Dualfilter T.I.P.S.<sup>®</sup> Filter Pipette Tips"





|                                                                                     |  |  |  |  |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Volume range/epT.I.P.S.®                                                            | Standard/Bulk                                                                     | Reloads                                                                           | Reloads                                                                            | Box                                                                                 |
| <b>dark gray</b>                                                                    | 1,000 tips (2 bags × 500 tips)                                                    | 960 tips (10 trays × 96 tips)                                                     | 960 tips (10 trays × 96 tips)                                                      | 1 reusable box × 96 tips                                                            |
| <b>0.1 – 10 µL, 34 mm</b>                                                           | 0030000811<br>0030080033 BioBased                                                 | 0030073371                                                                        | 0030073754                                                                         | 0030076125                                                                          |
|    |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
| <b>medium gray</b>                                                                  | 1,000 tips (2 bags × 500 tips)                                                    | 960 tips (10 trays × 96 tips)                                                     | 960 tips (10 trays × 96 tips)                                                      | 1 reusable box × 96 tips                                                            |
| <b>0.1 – 20 µL, 40 mm</b>                                                           | 0030000838<br>0030080041 BioBased                                                 | 0030073398                                                                        | 0030073770                                                                         | 0030076133                                                                          |
|    |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
| <b>light gray</b>                                                                   | 1,000 tips (2 bags × 500 tips)                                                    | 960 tips (10 trays × 96 tips)                                                     | 960 tips (10 trays × 96 tips)                                                      | 1 reusable box × 96 tips                                                            |
| <b>0.5 – 20 µL L, 46 mm</b>                                                         | 0030000854<br>0030080050 BioBased                                                 | 0030073410                                                                        | 0030073797                                                                         | 0030076141                                                                          |
|    |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
| <b>yellow</b>                                                                       | 1,000 tips (2 bags × 500 tips)                                                    | 960 tips (10 trays × 96 tips)                                                     | 960 tips (10 trays × 96 tips)                                                      | 1 reusable box × 96 tips                                                            |
| <b>2 – 200 µL, 53 mm</b>                                                            | 0030000889<br>0030080068 BioBased<br>0030000870 yellow tips                       | 0030073436                                                                        | 0030073819                                                                         | 0030076150                                                                          |
|  |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
| <b>orange</b>                                                                       | 1,000 tips (2 bags × 500 tips)                                                    | 960 tips (10 trays × 96 tips)                                                     | 960 tips (10 trays × 96 tips)                                                      | 1 reusable box × 96 tips                                                            |
| <b>20 – 300 µL, 55 mm</b>                                                           | 0030000900<br>0030080076 BioBased                                                 | 0030073452                                                                        | 0030073835                                                                         | 0030076168                                                                          |
|  | 0030000897 yellow tips                                                            |                                                                                   |                                                                                    |                                                                                     |
| <b>blue</b>                                                                         | 1,000 tips (2 bags × 500 tips)                                                    | 960 tips (10 trays × 96 tips)                                                     | 960 tips (10 trays × 96 tips)                                                      | 1 reusable box × 96 tips                                                            |
| <b>50 – 1,000 µL, 71 mm</b>                                                         | 0030000927<br>0030080084 BioBased<br>0030000919 blue tips                         | 0030073479                                                                        | 0030073851                                                                         | 0030076176                                                                          |
|  |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
| <b>green</b>                                                                        | 1,000 tips (2 bags × 500 tips)                                                    | 960 tips (10 trays × 96 tips)                                                     | 960 tips (10 trays × 96 tips)                                                      | 1 reusable box × 96 tips                                                            |
| <b>50 – 1,250 µL, 76 mm</b>                                                         | 0030000935<br>0030080092 BioBased                                                 | 0030073495                                                                        | 0030073878                                                                         | 0030076184                                                                          |
|  |                                                                                   |                                                                                   |                                                                                    |                                                                                     |

Liquid handling.





| Set                                                           | Singles                                     | Racks                                      | Reloads                                             |
|---------------------------------------------------------------|---------------------------------------------|--------------------------------------------|-----------------------------------------------------|
| 480 tips (5 trays × 96 tips),<br>1 reusable box<br>0030076290 |                                             |                                            |                                                     |
| 480 tips (5 trays × 96 tips),<br>1 reusable box<br>0030076303 | 100 tips, individually packed<br>0030010027 | 480 tips (5 racks × 96 tips)<br>0030075226 | 480 tips (5 trays × 96 tips)<br>0030075420 BioBased |
| 480 tips (5 trays × 96 tips),<br>1 reusable box<br>0030076311 |                                             |                                            |                                                     |
| 480 tips (5 trays × 96 tips),<br>1 reusable box<br>0030076320 | 100 tips, individually packed<br>0030010043 | 480 tips (5 racks × 96 tips)<br>0030075234 | 480 tips (5 trays × 96 tips)<br>0030075439 BioBased |
| 480 tips (5 trays × 96 tips),<br>1 reusable box<br>0030076338 |                                             | 480 tips (5 racks × 96 tips)<br>0030075242 | 480 tips (5 trays × 96 tips)<br>0030075447 BioBased |
| 480 tips (5 trays × 96 tips),<br>1 reusable box<br>0030076346 | 100 tips, individually packed<br>0030010060 | 480 tips (5 racks × 96 tips)<br>0030075250 | 480 tips (5 trays × 96 tips)<br>0030075455 BioBased |
| 480 tips (5 trays × 96 tips),<br>1 reusable box<br>0030076354 |                                             | 480 tips (5 racks × 96 tips)<br>0030075269 | 480 tips (5 trays × 96 tips)<br>0030075463 BioBased |

Liquid handling.



| Volume range/epT.I.P.S.*                                                             | Standard/Bulk                         | Reloads                       | Reloads                       |
|--------------------------------------------------------------------------------------|---------------------------------------|-------------------------------|-------------------------------|
| <b>dark green</b>                                                                    | 1,000 tips (4 bags × 250 tips)        | 960 tips (10 trays × 96 tips) | 960 tips (10 trays × 96 tips) |
| <b>50 – 1,250 µL L, 103 mm</b>                                                       | 0030000730<br><br>0030080106 BioBased | 0030073630                    | 0030073649                    |
|     |                                       |                               |                               |
| <b>red</b>                                                                           | 500 tips (5 bags × 100 tips)          | 480 tips (10 trays × 48 tips) | 480 tips (10 trays × 48 tips) |
| <b>0.1 – 2.5 mL, 115 mm</b>                                                          | 0030000951<br><br>0030080114 BioBased | 0030073517                    | 0030073894                    |
|     |                                       |                               |                               |
| <b>violet</b>                                                                        | 500 tips (5 bags × 100 tips)          |                               |                               |
| <b>0.1 – 5 mL, 120 mm</b>                                                            | 0030000978<br><br>0030080122 BioBased |                               |                               |
|  |                                       |                               |                               |
| <b>violet</b>                                                                        | 300 tips (3 bags × 100 tips)          |                               |                               |
| <b>0.2 – 5 mL L, 175 mm</b>                                                          | 0030000650<br><br>0030080130 BioBased |                               |                               |
|  |                                       |                               |                               |
| <b>turquoise</b>                                                                     | 200 tips (2 bags × 100 tips)          |                               |                               |
| <b>0.5 – 10 mL, 165 mm</b>                                                           | 0030000765                            |                               |                               |
|  |                                       |                               |                               |
| <b>turquoise</b>                                                                     | 200 tips (2 bags × 100 tips)          |                               |                               |
| <b>0.5 – 10 mL L, 243 mm</b>                                                         | 0030000781                            |                               |                               |
|  |                                       |                               |                               |

(Image reduced size)

Liquid handling.

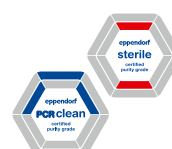


| <br><b>Box</b> |  | <br><b>Set</b> |  |   <br><b>Racks</b> |  | <br><b>Reloads</b> |  |
|-------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|
| 1 reusable box × 96 tips                                                                        |  |                                                                                                 |  | 480 tips (5 racks × 96 tips)                                                                                                                                                                                                                                             |  | 480 tips (5 trays × 96 tips)                                                                          |  |
| 0030076192                                                                                      |  |                                                                                                 |  | 0030075277 BioBased                                                                                                                                                                                                                                                      |  | 0030075471 BioBased                                                                                   |  |
| 1 reusable box × 48 tips                                                                        |  | 240 tips (5 trays × 48 tips),<br>1 reusable box                                                 |  | 240 tips (5 racks × 48 tips)                                                                                                                                                                                                                                             |  |                                                                                                       |  |
| 0030076206                                                                                      |  | 0030076362                                                                                      |  | 0030075285 Biopur®                                                                                                                                                                                                                                                       |  |                                                                                                       |  |
| 1 reusable box × 24 tips                                                                        |  |                                                                                                 |  | 120 tips (5 racks × 24 tips)                                                                                                                                                                                                                                             |  |                                                                                                       |  |
| 0030076214                                                                                      |  |                                                                                                 |  | 0030075293 Biopur®                                                                                                                                                                                                                                                       |  |                                                                                                       |  |
|                                                                                                 |  |                                                                                                 |  | 0030071638 Eppendorf Quality                                                                                                                                                                                                                                             |  |                                                                                                       |  |
|                                                                                                 |  |                                                                                                 |  | 0030071662 PCR clean                                                                                                                                                                                                                                                     |  |                                                                                                       |  |
|                                                                                                 |  |                                                                                                 |  | 120 tips (5 racks × 24 tips)                                                                                                                                                                                                                                             |  |                                                                                                       |  |
|                                                                                                 |  |                                                                                                 |  | 0030075307 Biopur®                                                                                                                                                                                                                                                       |  |                                                                                                       |  |
|                                                                                                 |  |                                                                                                 |  | 0030071646 Eppendorf Quality                                                                                                                                                                                                                                             |  |                                                                                                       |  |
|                                                                                                 |  |                                                                                                 |  | 120 tips (5 racks × 24 tips)                                                                                                                                                                                                                                             |  |                                                                                                       |  |
|                                                                                                 |  |                                                                                                 |  | 0030075315 Biopur®                                                                                                                                                                                                                                                       |  |                                                                                                       |  |
|                                                                                                 |  |                                                                                                 |  | 0030071654 Eppendorf Quality                                                                                                                                                                                                                                             |  |                                                                                                       |  |
|                                                                                                 |  |                                                                                                 |  |                                                                                                                                                                                                                                                                          |  |                                                                                                       |  |
|                                                                                                 |  |                                                                                                 |  |                                                                                                                                                                                                                                                                          |  |                                                                                                       |  |
|                                                                                                 |  |                                                                                                 |  |                                                                                                                                                                                                                                                                          |  |                                                                                                       |  |

Liquid handling.



Volume range/ ep  
Dualfilter T.I.P.S.<sup>®</sup>/  
ep Dualfilter T.I.P.S.<sup>®</sup> SealMax<sup>®</sup>



dark gray

0.1 – 10 µL S, 34 mm



Racks

960 tips (10 racks × 96 tips)

0030078500

0030078691 SealMax



Reloads

960 tips (10 trays × 96 tips)

0030081021

BioBased

medium gray

0.1 – 10 µL M, 40 mm



960 tips (10 racks × 96 tips)

0030078519

0030078810

960 tips (10 trays × 96 tips)

0030081030

BioBased

light gray

0.5 – 20 µL L, 46 mm



960 tips (10 racks × 96 tips)

0030078527

0030078705 SealMax



960 tips (10 trays × 96 tips)

0030081048

BioBased

0030081234

SealMax BioBased

yellow

2 – 20 µL, 53 mm



960 tips (10 racks × 96 tips)

0030078535

0030078829

960 tips (10 trays × 96 tips)

0030081056

BioBased

yellow

2 – 100 µL, 53 mm



960 tips (10 racks × 96 tips)

0030078543

0030078713 SealMax



960 tips (10 trays × 96 tips)

0030081064

BioBased

0030081242

SealMax BioBased

yellow

2 – 200 µL, 55 mm



960 tips (10 racks × 96 tips)

0030078551

0030078721 SealMax

0030078837



960 tips (10 trays × 96 tips)

0030081072

BioBased

0030081250

SealMax BioBased

orange

20 – 300 µL, 55 mm



960 tips (10 racks × 96 tips)

0030078560

0030078730 SealMax



960 tips (10 trays × 96 tips)

0030081080

BioBased

0030081269

SealMax BioBased

blue

50 – 1,000 µL, 76 mm



960 tips (10 racks × 96 tips)

0030078578

0030078748 SealMax

0030078845



960 tips (10 trays × 96 tips)

0030081099

BioBased

0030081277

SealMax BioBased

dark green

50 – 1,250 µL L, 103 mm



480 tips (5 racks × 96 tips)

0030078594

960 tips (10 trays × 96 tips)

0030081102

BioBased

Liquid handling.



**Volume range/ ep Dualfilter T.I.P.S.®**

**Racks**

**red**  
0.1 – 2.5 mL, 115 mm

240 tips (5 racks × 48 tips)  
[0030078586](#)



**violet**  
0.1 – 5 mL, 120 mm

120 tips (5 racks × 24 tips)  
[0030078616](#)



**violet**  
0.2 – 5 mL L, 175 mm

120 tips (5 racks × 24 tips)  
[0030078624](#)



**turquoise**  
0.5 – 10 mL L, 243 mm

100 tips, individually packed  
[0030077598](#)



(Image reduced size)

Liquid handling.



# Tips for 384-Well Pipetting Solutions

| Volume range/epT.I.P.S.: 384                                                                                                           | Reloads                                                        | Reloads                                                        | Set                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| <div>light pink</div> <div>0.1 – 20 µL, 42 mm</div>   | 3,840 tips (10 trays × 384 tips)<br><a href="#">0030076001</a> | 3,840 tips (10 trays × 384 tips)<br><a href="#">0030076044</a> | 1,920 tips (5 trays × 384 tips),<br>1 reusable box<br><a href="#">0030076273</a> |
| <div>light yellow</div> <div>5 – 100 µL, 53 mm</div>  | 3,840 tips (10 trays × 384 tips)<br><a href="#">0030076010</a> | 3,840 tips (10 trays × 384 tips)<br><a href="#">0030076052</a> | 1,920 tips (5 trays × 384 tips),<br>1 reusable box<br><a href="#">0030076281</a> |

## Combination of Pipette Tips and Pipettes

New

|                                                                           | Eppendorf Research <sup>3</sup> 3 neo | 0.1–10 µL,<br>dark gray | 0.1–10 µL M,<br>medium gray | 0.1–20 µL,<br>medium gray | 0.5–20 µL L,<br>light gray | 2–20 µL,<br>yellow | 2–100 µL,<br>yellow | 2–200 µL,<br>yellow |
|---------------------------------------------------------------------------|---------------------------------------|-------------------------|-----------------------------|---------------------------|----------------------------|--------------------|---------------------|---------------------|
| epT.I.P.S. <sup>®</sup> BioBased                                          |                                       | ●                       |                             | ●                         | ●                          |                    |                     | ●                   |
| epT.I.P.S. <sup>®</sup> Standard                                          |                                       | ●                       |                             | ●                         | ●                          |                    |                     | ●                   |
| epT.I.P.S. <sup>®</sup> BioBased Reloads                                  |                                       |                         |                             | ●                         |                            | ●                  | ●                   | ●                   |
| ep Dualfilter T.I.P.S. <sup>®</sup>                                       |                                       | ●                       | ●                           |                           | ●                          | ●                  | ●                   | ●                   |
| ep Dualfilter T.I.P.S. <sup>®</sup> BioBased Reloads                      |                                       |                         | ●                           |                           | ●                          | ●                  | ●                   | ●                   |
| ep Dualfilter T.I.P.S. <sup>®</sup> SealMax <sup>®</sup>                  |                                       | ●                       |                             |                           | ●                          |                    | ●                   | ●                   |
| ep Dualfilter T.I.P.S. <sup>®</sup> SealMax <sup>®</sup> BioBased Reloads |                                       |                         |                             |                           | ●                          |                    | ●                   | ●                   |
| Fixed volume, 1-channel pipettes                                          |                                       |                         |                             |                           |                            |                    |                     |                     |
| 0.1–2.5 µL                                                                |                                       | ■ ●                     | ⊗                           | ⊗                         |                            |                    |                     |                     |
| 0.5–10 µL                                                                 |                                       | ■ ⊗                     | ●                           | ●                         | ⊗                          |                    |                     |                     |
| 1–20 µL                                                                   |                                       | ■ ○                     | ○                           | ⊗                         | ●                          |                    |                     |                     |
| 1–20 µL                                                                   |                                       | ■                       |                             |                           |                            | ●                  | ●                   | ●                   |
| 5–100 µL                                                                  |                                       | ■                       |                             |                           |                            | ○                  | ●                   | ●                   |
| 10–200 µL                                                                 |                                       | ■                       |                             |                           |                            | ○                  | ○                   | ●                   |
| 15–300 µL                                                                 |                                       | ■                       |                             |                           |                            | ○                  | ○                   | ○                   |
| 50–1,000 µL                                                               |                                       | ■                       |                             |                           |                            |                    |                     |                     |
| 0.1–2 mL                                                                  |                                       | ■                       |                             |                           |                            |                    |                     |                     |
| 0.25–5 mL                                                                 |                                       | ■                       |                             |                           |                            |                    |                     |                     |
| 0.5–10 mL                                                                 |                                       | ■                       |                             |                           |                            |                    |                     |                     |

● Test tip (other tips may require adjustment) ⊗ Full volume range ○ Limited volume range

Liquid handling.





#### Volume range/ep Dualfilter T.I.P.S® 384

 **light pink**

**0.1 – 20 µL, 42 mm**



#### Racks

3,840 tips (10 racks × 384 tips)

[0030078853](#)

 **light yellow**

**5 – 100 µL, 53 mm**



3,840 tips (10 racks × 384 tips)

[0030078861](#)



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