

# Eppendorf Research<sup>®</sup> plus

## The ultra-light pipette for effortless pipetting

The Eppendorf Research plus mechanical pipette is the result of over 50 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<sup>®</sup>, the Research plus is highly ergonomic and protects 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 1<sup>®</sup> adjustable tip spacing micropipettes (see page 32), we are confident that we can offer the right choice for your application.

### Product features

- > Mechanical air-cushion pipette for accurate, easy & ergonomic pipetting of aqueous solutions
- > Feel the difference in weight and pipetting forces: this ultra-light pipette is designed according to the Eppendorf PhysioCare Concept<sup>®</sup> principles
- > Enjoy minimal tip attachment forces due to a spring-loaded tip cone (available for all pipettes up to 1 mL) that reduces stress without sacrificing tip tightness

### Applications

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



**A joy for your eyes - The display**  
4-digit volume display with magnifying window. Easy to read. Allows for more accurate volume setting.



PhysioCare  
concept

Learn more  
about the  
Research plus:  
[www.eppendorf.com/  
researchplus](http://www.eppendorf.com/researchplus)



Technical specifications subject to change.

Ordering information	
Description	Order no.
<b>Eppendorf Research<sup>®</sup> plus</b> , 1-channel, variable, incl. epT.I.P.S. <sup>®</sup> Box	
0.1 – 2.5 µL, dark gray	3123 000 012
0.5 – 10 µL, medium gray	3123 000 020
2 – 20 µL, light gray	3123 000 098
2 – 20 µL, yellow	3123 000 039
10 – 100 µL, yellow	3123 000 047
20 – 200 µL, yellow	3123 000 095
30 – 300 µL, orange	3123 000 101
100 – 1,000 µL, blue	3123 000 063
<b>Eppendorf Research<sup>®</sup> plus</b> , 1-channel, variable, incl. epT.I.P.S. <sup>®</sup> sample bag	
0.25 – 2.5 mL, red	3123 000 144
0.5 – 5 mL, violet	3123 000 071
1 – 10 mL, turquoise	3123 000 080

### Ordering information

Ordering information	
Description	Order no.
<b>Eppendorf Research<sup>®</sup> plus</b> , 8-channel, variable, incl. epT.I.P.S. <sup>®</sup> Box	
0.5 – 10 µL, medium gray	3125 000 010
10 – 100 µL, yellow	3125 000 036
30 – 300 µL, orange	3125 000 052
<b>Eppendorf Research<sup>®</sup> plus</b> , 8-channel, variable	
120 – 1,200 µL, dark green	3125 000 214

### Ordering information

Ordering information	
Description	Order no.
<b>Eppendorf Research<sup>®</sup> plus</b> , 12-channel, variable, incl. epT.I.P.S. <sup>®</sup> Box	
0.5 – 10 µL, medium gray	3125 000 028
10 – 100 µL, yellow	3125 000 044
30 – 300 µL, orange	3125 000 060
<b>Eppendorf Research<sup>®</sup> plus</b> , 12-channel, variable	
120 – 1,200 µL, dark green	3125 000 222

### Ordering information

Ordering information	
Description	Order no.
<b>Eppendorf Research<sup>®</sup> plus</b> , 16-channel, variable, incl. epT.I.P.S. <sup>®</sup> Box	
1 – 20 µL, light pink	3125 000 079
5 – 100 µL, light yellow	3125 000 095

### Ordering information

Ordering information	
Description	Order no.
<b>Eppendorf Research<sup>®</sup> plus</b> , 24-channel, variable, incl. epT.I.P.S. <sup>®</sup> Box	
1 – 20 µL, light pink	3125 000 087
5 – 100 µL, light yellow	3125 000 109

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## Eppendorf Research® plus Multi-packs



### Ordering information

Description	Order no.
<b>Eppendorf Research® plus, 3-pack, 1-channel, variable, incl. epT.I.P.S.® Box or sample bag and ballpoint pen</b>	
Option 1: 0.5 – 10 µL, 10 – 100 µL, 100 – 1,000 µL	3123 000 900
Option 2: 2 – 20 µL, yellow, 20 – 200 µL, 100 – 1,000 µL	3123 000 918
Option 3: 100 – 1,000 µL, 0.5 – 5 mL, 1 – 10 mL	3123 000 926
<b>Eppendorf Research® plus, 6-pack with Pipette Carousel Z, 1-channel, variable, incl. epT.I.P.S.® Box Z.0 and ballpoint pen</b>	
0.1 – 2.5 µL, 0.5 – 10 µL, 2 – 20 µL, yellow, 10 – 100 µL, 20 – 200 µL, 100 – 1,000 µL	3123 000 942

**The Eppendorf Research® plus, 6-pack with Pipette Carousel Z is available soon.**

## Accessories

Description	Order no.
<b>Special lower part with PTFE coating, for Eppendorf Research® plus</b>	
chemical resistant, single-channel, 10 mL, color code: turquoise, variable, 1 – 10 mL	3120 646 000
chemical resistant, single-channel, 1,000 µL, color code: blue, variable: 100 – 1,000 µL, fixed: 200 µL, 250 µL, 500 µL, 1,000 µL	3120 641 009
chemical resistant, single-channel, 5 mL, color code: violet, variable: 0.5 – 5 mL	3120 642 005
<b>Adjustment seal ADJ</b> , red, 5 pcs.	3120 636 005
<b>Adjustment seal ADJ</b> , red, 5 pcs.	3120 636 005
<b>Safety plug tools</b> , for changing factory or temporary adjustment	
Protection filter, 5 mL, 10 filters with 1 filter sleeve, for 0.5 – 5 mL, variable, color code: violet	3120 639 004
Protection filter, 10 mL, 10 filters with 1 filter sleeve, for 1 – 10 mL, variable, color code: turquoise	4920 623 005
O-ring, red, for multi-channel lower parts, 5 – 100 µL, 15 – 300 µL, (1 set = 24 pcs)	4920 624 001
<b>Multi-channel tool</b> , for cutting the O-rings on the tip cone of multi-channel lower parts, 5 – 100 µL or 15 – 300 µL	3122 611 000
Pipette wrench 2 mL – 10 mL	3122 610 003
Locking ring, to prevent spring action with single-channel pipettes, 2.5 µL – 1,000 µL	3120 639 002
<b>Locking clip for 8-channel pipettes</b> , to prevent spring action of tip cones, 2 pieces	3120 635 009
<b>Locking clip for 12-channel pipettes</b> , to prevent spring action of tip cones, 3 pieces	3122 612 006
<b>Reagent reservoir Tip-Tub</b> , autoclavable reservoir for the aspiration of liquids with multi-channel pipettes, 1 set = 10 reservoirs and 10 lids	0030 058 607
<b>Grease for pipettes</b> , incl. lint-free applicators, to lubricate the piston or cylinder in pipette lower parts	0013 022 153

Technical specifications subject to change.

## 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!

### Product features

- > Mechanical air-cushion pipette with outstanding precision and accuracy - operated with one button
- > 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



### User-friendly temporary adjustment

For liquids other than aqueous solutions. Recommended settings are provided in the manual and you can easily and quickly reset to the manufacturer settings.

### 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.

Learn more  
about the  
Reference 2:



[www.eppendorf.com/  
reference2](http://www.eppendorf.com/reference2)

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## Eppendorf Reference® 2

## Ordering information

Description	Order no.
<b>Eppendorf Reference® 2</b> , 1-channel, fixed	
1 µL, dark gray	4925 000 014
2 µL, dark gray	4925 000 022
5 µL, medium gray	4925 000 030
10 µL, medium gray	4925 000 049
10 µL, yellow	4925 000 057
20 µL, light gray	4925 000 065
20 µL, yellow	4925 000 073
25 µL, yellow	4925 000 081
50 µL, yellow	4925 000 090
100 µL, yellow	4925 000 103
200 µL, yellow	4925 000 111
200 µL, blue	4925 000 120
250 µL, blue	4925 000 138
500 µL, blue	4925 000 146
1,000 µL, blue	4925 000 154
2 mL, red	4925 000 162
2.5 mL, red	4925 000 170

## Ordering information

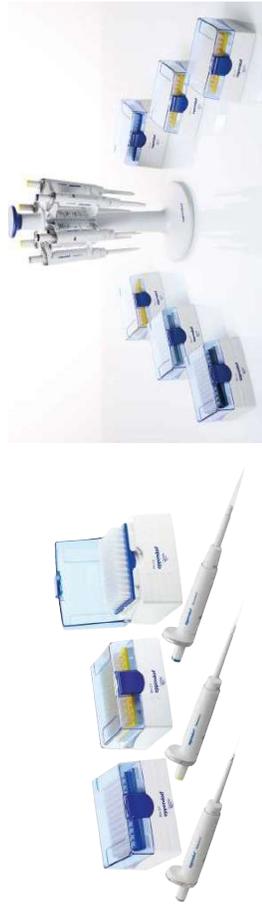
Description	Order no.
<b>Eppendorf Reference® 2</b> , 1-channel, variable, incl. ePT.I.P.S.® Box	
0.1 – 2.5 µL, dark gray	4924 000 010
0.5 – 10 µL, medium gray	4924 000 029
2 – 20 µL, light gray	4924 000 037
2 – 20 µL, yellow	4924 000 045
10 – 100 µL, yellow	4924 000 053
20 – 200 µL, yellow	4924 000 061
30 – 300 µL, orange	4924 000 070
100 – 1,000 µL, blue	4924 000 088
<b>Eppendorf Reference® 2</b> , 1-channel, variable, incl. ePT.I.P.S.® sample bag	
0.25 – 2.5 mL, red	4924 000 096
0.5 – 5 mL, violet	4924 000 100
1 – 10 mL, turquoise	4924 000 118

## Ordering information

Description	Order no.
<b>Eppendorf Reference® 2</b> , 8-channel, variable, incl. ePT.I.P.S.® Box	
0.5 – 10 µL, medium gray	4926 000 018
10 – 100 µL, yellow	4926 000 034
30 – 300 µL, orange	4926 000 050
<b>Eppendorf Reference® 2</b> , 12-channel, variable, incl. ePT.I.P.S.® Box	
0.5 – 10 µL, medium gray	4926 000 026
10 – 100 µL, yellow	4926 000 042
30 – 300 µL, orange	4926 000 069

Technical specifications subject to change.

## Eppendorf Reference® 2 Multi-packs



## Ordering information

Description	Order no.
<b>Eppendorf Reference® 2</b> , 3-pack, 1-channel, variable, incl. ePT.I.P.S.® Box or sample bag and ballpoint pen	
Option 1: 0.5 – 10 µL, 10 – 100 µL, 100 – 1,000 µL	4924 000 908
Option 2: 2 – 20 µL yellow, 20 – 200 µL, 100 – 1,000 µL	4924 000 916
Option 3: 100 – 1,000 µL, 0.5 – 5 mL, 1 – 10 mL	4924 000 924
<b>Eppendorf Reference® 2</b> , 6-pack with Pipette Carousel 2, 1-channel, variable, incl. ePT.I.P.S.® Box 2.0 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	4924 000 940

**The Eppendorf Reference® 2, 6-pack with Pipette Carousel 2 is available soon.**

## Accessories

Description	Order no.
<b>Special lower part with PTFE coating, for Eppendorf Reference® 2</b>	
chemical resistant, single-channel, 2 mL, color code: red, fixed: 2 mL	4921 610 004
chemical resistant, single-channel, 10 mL, color code: turquoise, variable: 1 – 10 mL	4920 636 000
chemical resistant, single-channel, 1,000 µL, color code: blue, variable: 100 – 1,000 µL, fixed: 200 µL, 250 µL, 500 µL, 1,000 µL	4920 627 000
chemical resistant, single-channel, 2.5 mL, color code: red, variable: 0.25 – 2.5 mL	4920 629 003
chemical resistant, single-channel, 5 mL, color code: violet, variable: 0.5 – 5 mL	4920 633 000
<b>Adjustment seal ADJ, red</b> , incl. pin for removing the inserted seal, 1 set = 5 pieces	4920 626 004
<b>Eppendorf Reference® 2 red safety plug</b> , incl. pin for removing the inserted safety plug, 1 set = 5 pieces	4920 625 008
<b>Adjustment tool</b> , for changing factory or temporary adjustment	3120 633 006
<b>Protection filter</b> , 2.5 mL, 10 filters with 1 filter sleeve, 0.25 – 2.5 mL, variable, 2 mL, fixed volume and 2.5 mL, fixed volume, color code: red	4920 627 009
<b>Protection filter</b> , 5 mL, 10 filters with 1 filter sleeve, for 0.5 – 5 mL, variable, color code: violet	4920 623 005
<b>Protection filter</b> , 10 mL, 10 filters with 1 filter sleeve, for 1 – 10 mL, variable, color code: turquoise	4920 624 001
<b>Multi-channel tool</b> , for cutting the O-rings on the tip cone of multi-channel lower parts, 5 – 100 µL or 15 – 300 µL	3122 610 003
<b>Pipette wrench 2 mL – 10 mL</b>	3120 634 002
<b>Locking ring</b> , to prevent spring action with single-channel pipettes, 2.5 µL – 1,000 µL	3120 635 009
<b>Reagent reservoir Tip-Tub</b> , autoclavable reservoir for the aspiration of liquids with multi-channel pipettes, 1 set = 10 reservoirs and 10 lids	0030 058 607
<b>Grease for pipettes</b> , incl. lint-free applicators, to lubricate the piston or cylinder in pipette lower parts	0013 022 153

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# 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 multi-channel pipette (see page 32).



### Product features

- > Electronic air-cushion pipette reaching new levels of simplicity, precision and reproducibility
- > Intuitive handling with multi-functional rocker featuring up is up\* and down is down\* functionality and selection dial for quick and easy selection of functions
- > Self-explanatory color display without submenus and with ergonomic 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 (**PM**) for automated mixing of samples
- > Dispensing (**Dis**) for manual filling of plates, gels, and reaction vessels
- > Automatic dispensing (**Aut**) for automated filling of plates, gels, and reaction vessels
- > Multi aspiration: Pooling supernatants from different vessels (**Spc**)<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®

Ordering information		Order no.
Eppendorf Xplorer®, 1-channel, variable		
0.5 – 10 µL, medium gray		4861 000 015
1 – 20 µL, light gray		4861 000 017
5 – 100 µL, yellow		4861 000 023
10 – 200 µL, yellow		4861 000 027
15 – 300 µL, orange		4861 000 031
50 – 1,000 µL, blue		4861 000 040
0.1 – 2.5 mL, red		4861 000 044
0.2 – 5 mL, violet		4861 000 058
0.5 – 10 mL, turquoise		4861 000 066

Learn more  
about the  
Xplorer:

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



Technical specifications subject to change.

# Eppendorf Xplorer®

## Ordering information

Description		Order no.
Eppendorf Xplorer®, 8-channel, variable		
0.5 – 10 µL, medium gray		4861 000 104
5 – 100 µL, yellow		4861 000 120
15 – 300 µL, orange		4861 000 147
50 – 1,200 µL, green		4861 000 163

## Ordering information

Description		Order no.
Eppendorf Xplorer®, 12-channel, variable		
0.5 – 10 µL, medium gray		4861 000 112
5 – 100 µL, yellow		4861 000 139
15 – 300 µL, orange		4861 000 155
50 – 1,200 µL, green		4861 000 171

# Eppendorf Xplorer® plus

## Ordering information

Description		Order no.
Eppendorf Xplorer® plus, 1-channel, variable		
0.5 – 10 µL, medium gray		4861 000 708
1 – 20 µL, light gray		4861 000 710
5 – 100 µL, yellow		4861 000 716
10 – 200 µL, yellow		4861 000 720
15 – 300 µL, orange		4861 000 724
50 – 1,000 µL, blue		4861 000 732
0.1 – 2.5 mL, red		4861 000 736
0.2 – 5 mL, violet		4861 000 740
0.5 – 10 mL, turquoise		4861 000 759

## Ordering information

Description		Order no.
Eppendorf Xplorer® plus, 8-channel, variable		
0.5 – 10 µL, medium gray		4861 000 767
5 – 100 µL, yellow		4861 000 783
15 – 300 µL, orange		4861 000 805
50 – 1,200 µL, green		4861 000 821

## Ordering information

Description		Order no.
Eppendorf Xplorer® plus, 12-channel, variable		
0.5 – 10 µL, medium gray		4861 000 775
5 – 100 µL, yellow		4861 000 791
15 – 300 µL, orange		4861 000 813
50 – 1,200 µL, green		4861 000 830

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## Pipetting

## Eppendorf Xplorer® plus

## Ordering information

Description	Order no.
Eppendorf Xplorer® plus, 16-channel, variable	
1 – 20 µL, light pink	4861 000 778
5 – 100 µL, light yellow	4861 000 792

## Ordering information

Description	Order no.
Eppendorf Xplorer® plus, 24-channel, variable	
1 – 20 µL, light pink	4861 000 779
5 – 100 µL, light yellow	4861 000 793

## Accessories

Description	Order no.
Power supply with power plug adapters, for pipettes and charger stand, 100 – 240 VAC / 5 VDC	4986 603 005
Power supply with power plug adapters, for charger carousel (4880)	4880 603 006
Multi-channel tool, for cutting the O-rings on the tip cone of multi-channel lower parts, 5 – 100 µL or 15 – 300 µL	3122 610 003
Pipette wrench 2 mL – 10 mL	3120 634 002
Locking ring, to prevent spring action with single-channel pipettes, 2.5 µL – 1,000 µL	3120 635 009
Locking clip for 8-channel pipettes, to prevent spring action of tip cones, 2 pieces	3122 612 006
Locking clip for 12-channel pipettes, to prevent spring action of tip cones, 3 pieces	3122 613 002
Reagent reservoir Trip-Tub, autoclavable reservoir for the aspiration of liquids with multi-channel pipettes, 1 set = 10 reservoirs and 10 lids	0030 058 607
Grease for pipettes, incl. lint-free applicators, to lubricate the piston or cylinder in pipette lower parts	0013 022 153

## 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 all current Eppendorf manual liquid handling instruments as well as most of their predecessors.

- > Pipette Carousel 2: Rotatable holder with completely new design for all mechanical pipettes
- > Charger Carousel 2: Carousel with intelligent charging electronics, increased 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



## Pipetting



- > 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 Multipipette M4.
- > Large rubber feet protect stands and carousels from liquids spilled on lab bench
- > Charger Stand 2 with cord wrap functionality for more convenience



- > Place your pipette and Multipipette where you need them: Mounted to a wall, on the shelf above your bench or inside a biological safety cabinet.
- > Pictograms on all holders for clear assignment in the lab
- > Pipette holders are downwards compatible for Eppendorf Research and Reference pipettes



## Ordering information

Description	Order no.
Pipette Carousel 2, for 6 Eppendorf Research®, Eppendorf Research® plus, Eppendorf Reference®, Eppendorf Reference® 2 or Biomaster®, additional pipette holders are optionally available	3116 000 015
Charger Carousel 2, for 6 Eppendorf Xplorer®/Xplorer® plus, mains/power adapter included, additional charger shells and pipette holders are optionally available	3116 000 023
Charger Stand 2, for one Eppendorf Xplorer®/Xplorer® plus	3116 000 031
Charger Stand 2, for one Multipipette® E3/E3x or Multipipette® stream/Xstream, operated with mains/power adapter supplied with Multipipette® E3/E3x or Multipipette® stream/Xstream	3116 000 040
Pipette Stand 2, for one Multipipette® M4, without charging functionality, additional pipette holders are optionally available	3116 000 058
Pipette Holder 2, for one Eppendorf Research®, Eppendorf Research® plus, Eppendorf Reference®, Eppendorf Reference® 2 or Biomaster®, for Pipette Carousel 2 and Charger Carousel 2 or wall mounting, sticky tape included	3116 000 112
Pipette Holder 2, for one Eppendorf Xplorer®/Xplorer® plus, for Pipette Carousel 2 or wall mounting, sticky tape included, without charging functionality	3116 000 120
Pipette Holder 2, for one Multipipette® E3/E3x or Multipipette® stream/Xstream, for Pipette Carousel 2 or wall mounting, sticky tape included, without charging functionality	3116 000 139
Pipette Holder 2, for one Multipipette® M4, for Pipette Carousel 2 and Charger Carousel 2 or wall mounting, sticky tape included	3116 000 147
Charger Shell 2, for one Eppendorf Xplorer®/Xplorer® plus, for Charger Carousel 2 (with charging functionality)	3116 602 007
Charger Shell 2, for one Multipipette® E3/E3x or Multipipette® stream/Xstream, for Charger Carousel 2 (with charging functionality)	3116 603 003

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Technical specifications subject to change.

# Tips

## The Perfect Fit – Eppendorf Pipette Tips

With respect to material, fit, design and operating forces, our pipette tips set new 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 or geometry. The ePT.I.P.S.® pipette tips from Eppendorf are designed to cover all of the specific needs of your samples.

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. Additionally, the universal nose cone design allows the tips to be used with pipettes from other manufacturers.

In the Eppendorf owned production facilities in the north of Germany, we can maintain the highest standards in the selection and processing of plastic materials. Ideal wetting properties, high transparency, and special certified purity levels are the visible expression of this production philosophy. Every tip is manufactured to match specifically to its respective Eppendorf pipettes, thus ensuring the maximum precision and reliability you have come to expect and to rely on.

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.® Standard

- > Original, high-quality Eppendorf pipette tips packaged in resealable bags
- > 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



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

- > Contamination-free transfer of trays 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.® Racks

- > Eppendorf Biopur® pipette tips in disposable Racks offer the highest biological purity grade
- > 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



### 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 dual-sided or in stack form



### 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, molecular biology and cell technology



Get all the details of our pipette tips portfolio!  
Explore the eshop and get an overview!  
[www.eppendorf.com/tips](http://www.eppendorf.com/tips)



Learn more about Eppendorf pipette tip quality  
[www.eppendorf.com/tip-quality](http://www.eppendorf.com/tip-quality)



Which ePT.I.P.S.® pipette tips fit to my Eppendorf pipette?  
[www.eppendorf.com/tip-combination](http://www.eppendorf.com/tip-combination)

# Eppendorf Purity Grades for Tips

**epTI.P.S.<sup>®</sup> ep Dualfilter<sup>®</sup> TI.P.S.<sup>®</sup> and Combitips<sup>®</sup> advanced stand for highest quality and purity**  
 The high precision and accuracy of pipette tips and Combitips is ensured by precise molding. Each lot of pipette tips and Combitips is subject to gravimetric measurement during final testing. Low wetting ensures reliable volume readings and minimal adhesion. Pipette tips and Combitips cylinders are 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. For the Combitips advanced pistons, PE (polyethylene) is used. This is due to the fact that ideal running properties between two parts can only be achieved by using two different types of plastic. Our tips are available in a variety of purity grades (see table opposite).

## Pure Quality at Eppendorf

Please use the QR Code.  
[www.eppendorf.com/purity](http://www.eppendorf.com/purity)



## Eppendorf Certificate

### Certificate of Purity – PCR clean

The Eppendorf Combitips<sup>®</sup> high quality consumable manufactured under the PCR clean Eppendorf Purity Standard.  
 The Eppendorf PCR clean consumables are produced in a class 6 (according to ISO 14644-1) clean room (according to U.S. Fed. Standard 209 E) clean room environment.  
 For this product Eppendorf certifies the following (1):

- Free of detectable DNAse
- Free of detectable PCR inhibitors
- Free of detectable Human DNA

Quality control and substrate certificates are done by an independent laboratory on the lot level at [www.eppendorf.com/certificates](http://www.eppendorf.com/certificates).

The certificate comprises the following tests:

#### Human DNA Contamination Test

A PCR master mix is prepared using the QuantiTect<sup>®</sup> 2xRT Green PCR kit. Samples are prepared for the detection of human DNA. The primary amplification is performed in a 96-well plate. The secondary amplification is performed in a 96-well plate. 15 µl of each sample is added to 5 positive control units containing known amounts of human DNA. The samples are incubated at 95 °C for 10 min, 50 °C for 10 min, 72 °C for 10 min. 15 samples are mixed 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.

For the detection of PCR inhibitors, the detection results are compared corresponding to the respective control.

#### DNAse Test

15 samples are mixed one after another with DNA free water. 1 µl of these DNA free water. A positive control is mixed with DNAse. A negative control contains DNA free water. All tubes are incubated for 24 h at 37 °C.

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

Page 1 of 1



## 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.com/purity](http://www.eppendorf.com/purity)). As a special service, we make the inspection certificate for each delivered lot available online ([www.eppendorf.com/certificates](http://www.eppendorf.com/certificates)).

## Purity grades

Eppendorf purity grades for tips	Eppendorf Quality	Eppendorf sterile	Eppendorf PCR clean	Eppendorf sterile and PCR clean	Eppendorf Forensic DNA Grade <sup>1)</sup>	Biopur <sup>®</sup>
Continuous quality control for the following relevant criteria:						
Function, lightness, precision	■	■	■	■	■	■
Low wetting	■	■	■	■	■	■
High chemical resistance	■	■	■	■	■	■
High thermal resistance	■	■	■	■	■	■
High resistance to centrifugation forces <sup>2)</sup>	■	■	■	■	■	■
High transparency	■	■	■	■	■	■
Precisely shaped	■	■	■	■	■	■
Lot-specific certified <sup>3)</sup> for the following purity criteria:						
Progen-free <sup>4)</sup> (endotoxin-free)	■	■	■	■	■	■
Sterile (Ph. Eur./USP)	■	■	■	■	■	■
DNA-free <sup>5)</sup> (Human DNA)	■	■	■	■	■	■
DNA-free <sup>5)</sup> (Bacteria DNA)	■	■	■	■	■	■
RNAse-free <sup>6)</sup>	■	■	■	■	■	■
PCR-inhibitor-free <sup>6)</sup>	■	■	■	■	■	■
ATP-free <sup>6)</sup>	■	■	■	■	■	■
<b>Eppendorf tips</b>						
epTI.P.S. <sup>®</sup> Standard, Box and Set	■	■	■	■	■	■
epTI.P.S. <sup>®</sup> Reboards	■	■	■	■	■	■
epTI.P.S. <sup>®</sup> Racks	■	■	■	■	■	■
epTI.P.S. <sup>®</sup> Singles	■	■	■	■	■	■
epTI.P.S. <sup>®</sup> 384 Reload and Set	■	■	■	■	■	■
ep Dualfilter <sup>®</sup> TI.P.S. <sup>®</sup>	■	■	■	■	■	■
ep Dualfilter <sup>®</sup> TI.P.S. <sup>®</sup> 384 Rack	■	■	■	■	■	■
ep Dualfilter <sup>®</sup> TI.P.S. <sup>®</sup> SealMax <sup>®</sup>	■	■	■	■	■	■
Combitips advanced <sup>®</sup>	■	■	■	■	■	■
ViscoTip <sup>®</sup>	■	■	■	■	■	■
epTI.P.S. <sup>®</sup> LoRetention <sup>®</sup>	■	■	■	■	■	■
epTI.P.S. <sup>®</sup> Motion	■	■	■	■	■	■
epTI.P.S. <sup>®</sup> Motion filtertips	■	■	■	■	■	■

<sup>1)</sup> For accurate details regarding resistance to contamination, please refer to the respective product pages. <sup>2)</sup> Lot-specific certificate can be downloaded from [www.eppendorf.com/certificates](http://www.eppendorf.com/certificates). <sup>3)</sup> Only available in North America. <sup>4)</sup> According to ISO 15388. <sup>5)</sup> Testing showed conformity within the detection limits.

[www.eppendorf.com/](http://www.eppendorf.com/)  
 P.C. Guide



## epT.I.P.S.®

### 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

- > epT.I.P.S. pipette tips can be used universally, including pipette models from other manufacturers
- > Available in purity grades of: Eppendorf Quality, PCR clean, Biopur®
- > Disposable Racks in slim new epT.I.P.S. design, reclosable, optimized for safe stackability, in sterility packaging compliant to 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

### GELoader®

- > Special tip for gel electrophoresis, loading of polyacrylamide gels
- > Flexible long and narrow tips for handling of smallest volumes
- > GELoader tips and rack autoclavable



### Microloader™

- > Extremely long, fine and flexible tip for filling of microcapillaries for microinjection and where additional reach is needed
- > Microloader tips and rack autoclavable
- > Highest precision and accuracy when used with Eppendorf pipettes for 0.5 to 10 µL (gray control button)

## epT.I.P.S.® 384



epT.I.P.S. 384 pipette tips with innovative SOFTattach technology for 16- and 24-channel as well as adjustable tip spacing pipettes

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

### Product features

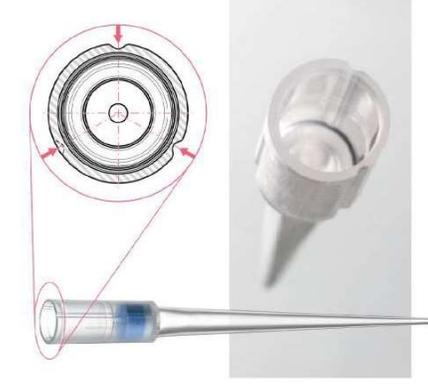
- > epT.I.P.S. 384 pipette tips build a system together with the Research plus and Xplorer plus 16- and 24-channel pipettes as well as 20 µL and 100 µL Move It adjustable tip spacing pipettes for utmost safety and reliability
- > Designed for a cone distance of 4.5 mm
- > Innovative SOFTattach technology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



## ep Dualfilter T.I.P.S.® 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.



Your local distributor: [www.eppendorf.com/contact](http://www.eppendorf.com/contact)  
Eppendorf SE · Barckhausenweg 1 · 22339 Hamburg · Germany · [eppendorf@eppendorf.com](mailto:eppendorf@eppendorf.com) · [www.eppendorf.com](http://www.eppendorf.com)

## ep Dualfilter T.I.P.S.<sup>®</sup>



### Description

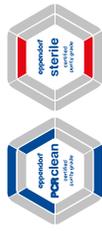
ep Dualfilter T.I.P.S. Filter Tips - The ultimate protection of pipette and sample against unintentional and unnoticed contamination by aerosols, drops and splashes.

### Product features

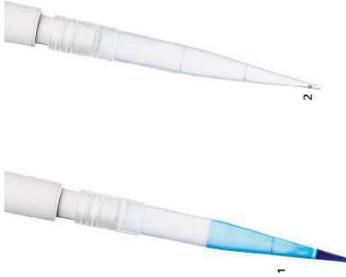
- > Dual protection against aerosols<sup>1)</sup> and biomolecules
- > Dual protection for pipette and sample
- > Free of PCR inhibitor additives

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 collid of fine solid particles or liquid droplets, in air or another gas.



## epT.I.P.S.<sup>®</sup> LoRetention<sup>®</sup>



The "Pearl Effect"<sup>™</sup> – a comparison of the amount of residual liquid when pipetting solutions that contain detergents:

1. Significant loss of sample using standard tips
2. Maximized recovery with epT.I.P.S. LoRetention



### Description

The "Pearl Effect"<sup>™</sup> - Maximum recovery and reproducibility with epT.I.P.S. LoRetention and ep Dualfilter T.I.P.S. LoRetention - No sample loss, reduced costs, improved results.

### Product features

- > Ultra-homogenous surface for maximized reproducibility
- > Ultra-hydrophobic surface for minimal sample loss
- > Significantly reduced foam formation during pipetting

## 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.

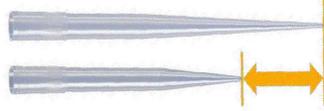
### Product features

- > Reliable protection from liquids, aerosols<sup>1)</sup> and biomolecules
- > 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 collid of fine solid particles or liquid droplets, in air or another gas.



## epT.I.P.S.<sup>®</sup> Long

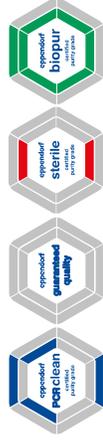


### Description

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

- > 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 cross-contamination is prevented



Tips

Volume range/epT.I.P.S.<sup>®</sup>  
epT.I.P.S.<sup>®</sup> LoRetention<sup>®</sup>  
(all tips shown are actual size)

■ dark gray

0.1 – 10 µL, 34 mm



■ medium gray

0.1 – 20 µL, 40 mm



■ light gray

0.5 – 20 µL, 46 mm



■ yellow

2 – 200 µL, 53 mm



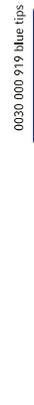
■ orange

20 – 300 µL, 55 mm



■ blue

50 – 1,000 µL, 71 mm



■ green

50 – 1,250 µL, 76 mm



Tips

Tips



**Box**  
1 reusable box x 96 tips  
0030 076 125

**Set**  
480 tips (5 trays x 96 tips),  
1 reusable box  
0030 076 290  
0030 072 367 LoRetention

**Singles**

480 tips (5 racks x 96 tips)  
0030 076 226

**Reloads**  
960 tips (10 trays x 96 tips)  
0030 073 754  
0030 072 006 LoRetention

**Reloads**  
960 tips (10 trays x 96 tips)  
0030 073 371  
0030 072 049 LoRetention

**Standard/Bulk**  
1,000 tips (2 bags x 500 tips)  
0030 000 811

960 tips (10 trays x 96 tips)  
0030 073 770

960 tips (10 trays x 96 tips)  
0030 073 398

1,000 tips (2 bags x 500 tips)  
0030 000 838

960 tips (10 trays x 96 tips)  
0030 073 797  
0030 072 014 LoRetention

960 tips (10 trays x 96 tips)  
0030 073 410  
0030 072 057 LoRetention

1,000 tips (2 bags x 500 tips)  
0030 000 854

960 tips (10 trays x 96 tips)  
0030 073 819  
0030 072 022 LoRetention

960 tips (10 trays x 96 tips)  
0030 073 436  
0030 072 065 LoRetention

1,000 tips (2 bags x 500 tips)  
0030 000 889  
0030 000 870 yellow tips

960 tips (10 trays x 96 tips)  
0030 073 835

960 tips (10 trays x 96 tips)  
0030 073 452

1,000 tips (2 bags x 500 tips)  
0030 000 900  
0030 000 897 yellow tips

960 tips (10 trays x 96 tips)  
0030 073 851  
0030 072 030 LoRetention

960 tips (10 trays x 96 tips)  
0030 073 479  
0030 072 073 LoRetention

1,000 tips (2 bags x 500 tips)  
0030 000 927  
0030 000 919 blue tips

960 tips (10 trays x 96 tips)  
0030 073 878

960 tips (10 trays x 96 tips)  
0030 073 495

1,000 tips (4 bags x 250 tips)  
0030 000 935

480 tips (5 trays x 96 tips),  
1 reusable box  
0030 076 303

480 tips (5 trays x 96 tips),  
1 reusable box  
0030 076 303

100 tips, individually packed  
0030 010 027

480 tips (5 racks x 96 tips)  
0030 075 226

480 tips (5 trays x 96 tips),  
1 reusable box  
0030 076 311  
0030 072 375 LoRetention

480 tips (5 trays x 96 tips),  
1 reusable box  
0030 076 311  
0030 072 375 LoRetention

100 tips, individually packed  
0030 010 043

480 tips (5 racks x 96 tips)  
0030 075 234

480 tips (5 trays x 96 tips),  
1 reusable box  
0030 076 338

480 tips (5 trays x 96 tips),  
1 reusable box  
0030 076 338

100 tips, individually packed  
0030 010 060

480 tips (5 racks x 96 tips)  
0030 075 242

480 tips (5 trays x 96 tips),  
1 reusable box  
0030 076 346

480 tips (5 trays x 96 tips),  
1 reusable box  
0030 076 346

100 tips, individually packed  
0030 010 040

480 tips (5 racks x 96 tips)  
0030 075 250

480 tips (5 trays x 96 tips),  
1 reusable box  
0030 076 354

480 tips (5 trays x 96 tips),  
1 reusable box  
0030 076 354

100 tips, individually packed  
0030 010 060

480 tips (5 racks x 96 tips)  
0030 075 269

Tips

Volume range/epT.I.P.S.<sup>®</sup>

(all tips shown are actual size)

- dark green 50 – 1,250 µL, 103 mm



Standard/Bulk

- 1,000 tips (4 bags x 250 tips)  
0030 000 730



Reloads

- 960 tips (10 trays x 96 tips)  
0030 073 630



Reloads

- 960 tips (10 trays x 96 tips)  
0030 073 649



- red 500 tips (5 bags x 100 tips)  
0030 000 951



- 480 tips (10 trays x 48 tips)  
0030 073 517



- violet 500 tips (5 bags x 100 tips)  
0030 000 978



- 480 tips (10 trays x 48 tips)  
0030 073 894



- violet 300 tips (3 bags x 100 tips)  
0030 000 650



- turquoise 200 tips (2 bags x 100 tips)  
0030 000 765



- turquoise 200 tips (2 bags x 100 tips)  
0030 000 781



(images reduced size)

Tips



Box

- 1 reusable box x 96 tips  
0030 076 192



Set

- 1 reusable box x 96 tips  
0030 075 277



Racks

- 480 tips (5 racks x 96 tips)  
0030 075 277

- 1 reusable box x 48 tips  
0030 076 206

- 240 tips (5 trays x 48 tips), 1 reusable box  
0030 076 362

- 240 tips (5 racks x 48 tips)  
0030 075 285

- 1 reusable box x 24 tips  
0030 076 214

- 120 tips (5 racks x 24 tips)  
0030 075 293
- Eppendorf Quality  
0030 071 638
- PCR clean  
0030 071 662

- 120 tips (5 racks x 24 tips)  
0030 075 307
- Eppendorf Quality  
0030 071 646

- 120 tips (5 racks x 24 tips)  
0030 075 315
- Eppendorf Quality  
0030 071 654

Tips

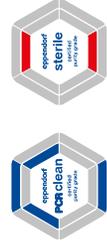
Volume range/ep Dualfilter T.I.P.S.® / ep Dualfilter T.I.P.S.® LoRetention / ep Dualfilter T.I.P.S.® SealMax®



Color	Volume range/ep Dualfilter T.I.P.S.®	ep Dualfilter T.I.P.S.® LoRetention	ep Dualfilter T.I.P.S.® SealMax®	Racks
dark gray	0.1 – 10 µL S, 34 mm	0030 078 632	0030 078 697	960 tips (10 racks x 96 tips) 0030 078 500
medium gray	0.1 – 10 µL M, 40 mm	0030 078 640	0030 078 705	960 tips (10 racks x 96 tips) 0030 078 519
light gray	0.5 – 20 µL L, 46 mm	0030 078 659	0030 078 713	960 tips (10 racks x 96 tips) 0030 078 527
yellow	2 – 20 µL, 53 mm	0030 078 667	0030 078 721	960 tips (10 racks x 96 tips) 0030 078 535
yellow	2 – 100 µL, 53 mm	0030 078 675	0030 078 730	960 tips (10 racks x 96 tips) 0030 078 543
yellow	2 – 200 µL, 55 mm	0030 078 683	0030 078 748	960 tips (10 racks x 96 tips) 0030 078 551
orange	20 – 300 µL, 55 mm	0030 078 688	0030 078 758	960 tips (10 racks x 96 tips) 0030 078 560
blue	50 – 1,000 µL, 76 mm	0030 078 683	0030 078 748	960 tips (10 racks x 96 tips) 0030 078 578
dark green	50 – 1,250 µL, 103 mm	0030 078 594		480 tips (5 racks x 96 tips) 0030 078 594
red	0.25 – 2.5 mL, 115 mm	0030 078 586		240 tips (5 racks x 48 tips) 0030 078 586

Technical specifications subject to change.

Tips



Color	Volume range/ep Dualfilter T.I.P.S.®	Racks
violet	0.1 – 5 mL, 120 mm	120 tips (5 racks x 24 tips) 0030 078 616
violet	0.2 – 5 mL L, 175 mm	120 tips (5 racks x 24 tips) 0030 078 624
turquoise	0.5 – 10 mL L, 243 mm	100 tips, individually packed 0030 077 598

(Image reduced size)

Special Tips



Color	Volume range/ pipette tip	GE Loader®	Microloader™
light gray	0.5 – 20 µL, 62 mm	192 tips (2 racks x 96 tips) 0030 001 222	192 pcs. (2 racks x 96 pcs.) 5242 956 003

Your local distributor: [www.eppendorf.com/contact](http://www.eppendorf.com/contact)  
Eppendorf SE · Barkhusenweg 1 · 22339 Hamburg · Germany · [eppendorf@eppendorf.com](mailto:eppendorf@eppendorf.com) · [www.eppendorf.com](http://www.eppendorf.com)

Tips



## Special Tips Tips for 384-Well Microplates

Volume range/epT.I.P.S.® 384	Reloads	Reloads	Set
light pink 0.1 – 20 µL, 42 mm	3,840 tips (10 trays x 384 tips) 0030 076 001	3,840 tips (10 trays x 384 tips) 0030 076 044	1,920 tips (6 trays x 384 tips), 1 reusable box 0030 076 273
light yellow 5 – 100 µL, 53 mm	3,840 tips (10 trays x 384 tips) 0030 076 010	3,840 tips (10 trays x 384 tips) 0030 076 052	1,920 tips (6 trays x 384 tips), 1 reusable box 0030 076 281

Tips



Volume range/ep Dualfilter T.I.P.S.® 384	Racks
light pink 0.1 – 20 µL, 42 mm	3,840 tips (10 racks x 384 tips) 0030 078 853
light yellow 5 – 100 µL, 53 mm	3,840 tips (10 racks x 384 tips) 0030 078 861

## Combination of epT.I.P.S.® and Pipettes

Eppendorf Research® plus/ Eppendorf Research® plus Move II®	0.1 – 10 µL, M, medium gray	0.1 – 20 µL, medium gray	0.5 – 20 µL, L, light gray	0.1 – 20 µL, light pink	0.5 – 100 µL, light yellow	2 – 20 µL, yellow	2 – 100 µL, yellow	2 – 200 µL, yellow	GEloader™/ Microloader™ 0.5 – 20 µL
epT.I.P.S.®	■	■	■	■	■	■	■	■	■
epT.I.P.S.® LoRetention®	■	■	■	■	■	■	■	■	■
ep Dualfilter T.I.P.S.®	■	■	■	■	■	■	■	■	■
ep Dualfilter T.I.P.S.® LoRetention®	■	■	■	■	■	■	■	■	■
ep Dualfilter T.I.P.S.® SealMax®	■	■	■	■	■	■	■	■	■
Fixed volume, single-channel pipettes	■	■	■	■	■	■	■	■	■
10 µL	■	■	■	■	■	■	■	■	■
20 µL	■	■	■	■	■	■	■	■	■
25 µL/50 µL/100 µL	■	■	■	■	■	■	■	■	■
200 µL	■	■	■	■	■	■	■	■	■
200/250/500/1,000 µL	■	■	■	■	■	■	■	■	■
Variable volume, single- and 12-channel pipettes	■	■	■	■	■	■	■	■	■
0.1 – 2.5 µL	■	■	■	■	■	■	■	■	■
0.5 – 10 µL	■	■	■	■	■	■	■	■	■
2 – 20 µL	■	■	■	■	■	■	■	■	■
2 – 20 µL	■	■	■	■	■	■	■	■	■
10 – 100 µL	■	■	■	■	■	■	■	■	■
20 – 200 µL	■	■	■	■	■	■	■	■	■
30 – 300 µL	■	■	■	■	■	■	■	■	■
100 – 1,000 µL	■	■	■	■	■	■	■	■	■
120 – 1,200 µL	■	■	■	■	■	■	■	■	■
0.25 – 2.5 mL	■	■	■	■	■	■	■	■	■
0.5 – 5 mL	■	■	■	■	■	■	■	■	■
1 – 10 mL	■	■	■	■	■	■	■	■	■
Variable volume, 16- and 24-channel pipettes	■	■	■	■	■	■	■	■	■
1 – 20 µL	■	■	■	■	■	■	■	■	■
5 – 100 µL	■	■	■	■	■	■	■	■	■
Move II®, variable volume, 4-, 6-, 8- and 12-channel pipettes	■	■	■	■	■	■	■	■	■
1 – 20 µL	■	■	■	■	■	■	■	■	■
5 – 100 µL	■	■	■	■	■	■	■	■	■
15 – 300 µL	■	■	■	■	■	■	■	■	■
120 – 1,200 µL	■	■	■	■	■	■	■	■	■

■ normal volume ♦ limited volume

