

Eppendorf Research® 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®, 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 It® 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® 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.

Ordering information

Description	Order no.
Eppendorf Research® plus , 1-channel, fixed	
10 µL, medium gray	3124 000 016
10 µL, yellow	3124 000 024
20 µL, light gray	3124 000 032
20 µL, yellow	3124 000 040
25 µL, yellow	3124 000 059
50 µL, yellow	3124 000 067
100 µL, yellow	3124 000 075
200 µL, yellow	3124 000 083
200 µL, blue	3124 000 091
250 µL, blue	3124 000 105
500 µL, blue	3124 000 113
1,000 µL, blue	3124 000 121

Learn more about the Research plus:

www.eppendorf.com/researchplus



Ordering information

Description	Order no.
Eppendorf Research® plus , 1-channel, variable, incl. epT.I.P.S.® 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 000 055
30 – 300 µL, orange	3123 000 101
100 – 1,000 µL, blue	3123 000 063
Eppendorf Research® plus , 1-channel, variable, incl. epT.I.P.S.® 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

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

Ordering information

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

Ordering information

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

Ordering information

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

Eppendorf Research® plus Multi-packs



Ordering information	Order no.
Description	
Eppendorf Research® plus, 3-pack , 1-channel, variable, incl. ep.T.I.P.S.® Box or sample bag and ballpoint pen	
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
Eppendorf Research® plus, 6-pack with Pipette Carousel 2 , 1-channel, variable, incl. ep.T.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	3123 000 942

The Eppendorf Research® plus, 6-pack with Pipette Carousel 2 is available soon.

Accessories

Accessories	Order no.
Description	
Special lower part with PTFE coating, for Eppendorf Research® plus	
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
Adjustment seal ADJ , red, 5 pcs.	3120 636 005
Adjustment tool , for changing factory or temporary adjustment	3120 633 006
Safety plug tools , for changing the factory adjustment, 5 pieces	3120 639 004
Protection filter , 5 mL, 10 filters with 1 filter sleeve, for 0.5 – 5 mL variable, color code: violet	4920 623 005
Protection filter , 10 mL, 10 filters with 1 filter sleeve, for 1 – 10 mL variable, color code: turquoise	4920 624 001
O-ring , red, for multi-channel lower parts, 5 – 100 µL, 15 – 300 µL (1 set = 24 pcs)	3122 611 000
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 Tip-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 relubricate 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



Eppendorf Reference® 2

Ordering information	Order no.
Description	
Eppendorf Reference® 2, 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	Order no.
Description	
Eppendorf Reference® 2, 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
Eppendorf Reference® 2, 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	Order no.
Description	
Eppendorf Reference® 2, 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
Eppendorf Reference® 2, 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

Eppendorf Reference® 2 Multi-packs



Ordering information	Order no.
Description	
Eppendorf Reference® 2, 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
Eppendorf Reference® 2, 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	Order no.
Description	
Special lower part with PTFE coating, for Eppendorf Reference® 2	
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
Adjustment seal ADJ, red, incl. pin for removing the inserted seal, 1 set = 5 pieces	4920 626 004
Eppendorf Reference® 2 red safety plug, incl. pin for removing the inserted safety plug, 1 set = 5 pieces	4920 625 008
Adjustment tool, for changing factory or temporary adjustment	3120 633 006
Protection filter, 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 622 009
Protection filter, 5 mL, 10 filters with 1 filter sleeve, for 0.5 – 5 mL variable, color code: violet	4920 623 005
Protection filter, 10 mL, 10 filters with 1 filter sleeve, for 1 – 10 mL variable, color code: turquoise	4920 624 001
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
Reagent reservoir Tip-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 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 (**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: Pooling supernatants from different vessels (**Spc**)¹⁾
- > Sequential dispensing and pipetting (**Spc**) for user-defined volume steps¹⁾
- > Reverse pipetting (**Spc**) for non-aqueous solutions¹⁾
- > Diluting (**Spc**) for preparation of dilution series¹⁾
- > Fix volume (**Fix**): Save up to 10 volumes for ease of operation¹⁾

¹⁾Xplorer plus only

Eppendorf Xplorer®

Ordering information

Description	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



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

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 Tip-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 relubricate 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

Technical specifications subject to change.

- > 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 Biomaster®, for Pipette Carousel 2 and Charger Carousel 2 or wall mounting, sticky tape included	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

Your local distributor: www.eppendorf.com/contact
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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.[®] 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



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

Get all the details of our pipette tips portfolio!
Explore the eshop and get an overview!
www.eppendorf.com/tips



Learn more about Eppendorf
pipette tip quality
www.eppendorf.com/tip-quality



Which epT.I.P.S.[®] pipette tips fit
to my Eppendorf pipette?
www.eppendorf.com/tip-combination



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

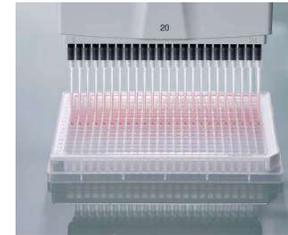


Microloader[™]

- > 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 micropipette 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

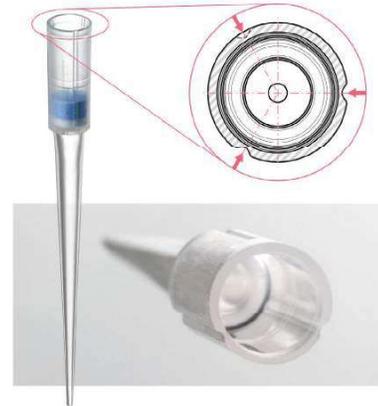
- > epT.I.P.S. 384 pipette tips build a system together with the Research plus and Xplorer plus 16- and 24-channel pipettes as well as 20 µL and 100 µL Move It adjustable tip spacing pipettes for utmost safety and reliability
- > Designed for a cone distance of 4.5 mm
- > Innovative SOFTattach technology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



ep Dualfilter T.I.P.S.[®]



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 aerosols¹⁾ 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 aerosols¹⁾ and biomolecules. This unique filtering effect is achieved using various well-defined pore sizes in the two filter layers.

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

ep Dualfilter T.I.P.S.[®] SealMax[®]



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, aerosols¹⁾ 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

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

epT.I.P.S.[®] LoRetention[®]



The "Pearl Effect" – 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

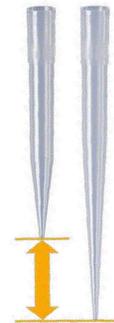
The "Pearl Effect" - Maximum recovery and reproducibility with epT.I.P.S. LoRetention and ep Dualfilter T.I.P.S. LoRetention - No sample loss, reduced costs, improved results.

Product features

- > Ultrahomogenous surface for maximized reproducibility
- > Ultrahydrophobic surface for minimal sample loss
- > Significantly reduced foam formation during pipetting



epT.I.P.S.[®] 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[®] 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

Watch this video!



www.eppendorf.com/eplips-video

Tips

Volume range/epT.I.P.S.[®]

epT.I.P.S.[®] LoRetention[®]

(all tips shown are actual size)

	Standard/Bulk	Reloads	Reloads
dark gray	1,000 tips (2 bags x 500 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)
0.1 – 10 µL, 34 mm	0030 000 811	0030 073 371 0030 072 049 LoRetention	0030 073 754 0030 072 006 LoRetention
			
medium gray	1,000 tips (2 bags x 500 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)
0.1 – 20 µL, 40 mm	0030 000 838	0030 073 398	0030 073 770
			
light gray	1,000 tips (2 bags x 500 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)
0.5 – 20 µL L, 46 mm	0030 000 854	0030 073 410 0030 072 057 LoRetention	0030 073 797 0030 072 014 LoRetention
			
yellow	1,000 tips (2 bags x 500 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)
2 – 200 µL, 53 mm	0030 000 889 0030 000 870 yellow tips	0030 073 436 0030 072 065 LoRetention	0030 073 819 0030 072 022 LoRetention
			
orange	1,000 tips (2 bags x 500 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)
20 – 300 µL, 55 mm	0030 000 900 0030 000 897 yellow tips	0030 073 452	0030 073 835
			
blue	1,000 tips (2 bags x 500 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)
50 – 1,000 µL, 71 mm	0030 000 927 0030 000 919 blue tips	0030 073 479 0030 072 073 LoRetention	0030 073 851 0030 072 030 LoRetention
			
green	1,000 tips (4 bags x 250 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)
50 – 1,250 µL, 76 mm	0030 000 935	0030 073 495	0030 073 878
			

Technical specifications subject to change.

Tips

Box	Set	Singles	Racks
1 reusable box x 96 tips	480 tips (5 trays x 96 tips), 1 reusable box		
0030 076 125	0030 076 290 0030 072 367 LoRetention		
1 reusable box x 96 tips	480 tips (5 trays x 96 tips), 1 reusable box	100 tips, individually packed	480 tips (5 racks x 96 tips)
0030 076 133	0030 076 303	0030 010 027	0030 075 226
1 reusable box x 96 tips	480 tips (5 trays x 96 tips), 1 reusable box		
0030 076 141	0030 076 311 0030 072 375 LoRetention		
1 reusable box x 96 tips	480 tips (5 trays x 96 tips), 1 reusable box	100 tips, individually packed	480 tips (5 racks x 96 tips)
0030 076 150	0030 076 320 0030 072 383 LoRetention	0030 010 043	0030 075 234
1 reusable box x 96 tips	480 tips (5 trays x 96 tips), 1 reusable box		
0030 076 168	0030 076 338		0030 075 242
1 reusable box x 96 tips	480 tips (5 trays x 96 tips), 1 reusable box	100 tips, individually packed	480 tips (5 racks x 96 tips)
0030 076 176	0030 076 346 0030 072 391 LoRetention	0030 010 060	0030 075 250
1 reusable box x 96 tips	480 tips (5 trays x 96 tips), 1 reusable box		
0030 076 184	0030 076 354		0030 075 269

Your local distributor: www.eppendorf.com/contact
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Tips

Volume range/epT.I.P.S.[®]
(all tips shown are actual size)

	Standard/Bulk	Reloads	Reloads
dark green	1,000 tips (4 bags x 250 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)
50 – 1,250 µL L, 103 mm	0030 000 730	0030 073 630	0030 073 649



red	500 tips (5 bags x 100 tips)	480 tips (10 trays x 48 tips)	480 tips (10 trays x 48 tips)
0.25 – 2.5 mL, 115 mm	0030 000 951	0030 073 517	0030 073 894



violet	500 tips (5 bags x 100 tips)		
0.1 – 5 mL, 120 mm	0030 000 978		



violet	300 tips (3 bags x 100 tips)		
0.2 – 5 mL L, 175 mm	0030 000 650		



turquoise	200 tips (2 bags x 100 tips)		
0.5 – 10 mL, 165 mm	0030 000 765		



turquoise	200 tips (2 bags x 100 tips)		
0.5 – 10 mL L, 243 mm	0030 000 781		



(Image reduced size)



Tips

Box	Set	Racks
1 reusable box x 96 tips 0030 076 192		480 tips (5 racks x 96 tips) 0030 075 277 Biopur [®]

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 Biopur [®]
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1 reusable box x 24 tips 0030 076 214		120 tips (5 racks x 24 tips) 0030 075 293 Biopur [®] 0030 071 638 Eppendorf Quality 0030 071 662 PCR clean
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		120 tips (5 racks x 24 tips) 0030 075 307 Biopur [®] 0030 071 646 Eppendorf Quality
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		120 tips (5 racks x 24 tips) 0030 075 315 Biopur [®] 0030 071 654 Eppendorf Quality
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Tips

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	960 tips (10 racks x 96 tips)			
0.1 – 10 µL S, 34 mm	0030 078 500	0030 078 632 LoRetention	0030 078 691 SealMax	
medium gray	960 tips (10 racks x 96 tips)			
0.1 – 10 µL M, 40 mm	0030 078 519		0030 078 810	
light gray	960 tips (10 racks x 96 tips)			
0.5 – 20 µL L, 46 mm	0030 078 527	0030 078 640 LoRetention	0030 078 705 SealMax	
yellow	960 tips (10 racks x 96 tips)			
2 – 20 µL, 53 mm	0030 078 535		0030 078 829	
yellow	960 tips (10 racks x 96 tips)			
2 – 100 µL, 53 mm	0030 078 543	0030 078 659 LoRetention	0030 078 713 SealMax	
yellow	960 tips (10 racks x 96 tips)			
2 – 200 µL, 55 mm	0030 078 551	0030 078 667 LoRetention	0030 078 721 SealMax	0030 078 837
orange	960 tips (10 racks x 96 tips)			
20 – 300 µL, 55 mm	0030 078 560	0030 078 675 LoRetention	0030 078 730 SealMax	
blue	960 tips (10 racks x 96 tips)			
50 – 1,000 µL, 76 mm	0030 078 578	0030 078 683 LoRetention	0030 078 748 SealMax	0030 078 845
dark green	480 tips (5 racks x 96 tips)			
50 – 1,250 µL L, 103 mm	0030 078 594			
red	240 tips (5 racks x 48 tips)			
0.25 – 2.5 mL, 115 mm	0030 078 586			

Tips

Volume range/ ep Dualfilter T.I.P.S.®

Racks



violet	120 tips (5 racks x 24 tips)
0.1 – 5 mL, 120 mm	0030 078 616
violet	120 tips (5 racks x 24 tips)
0.2 – 5 mL L, 175 mm	0030 078 624
turquoise	100 tips, individually packed
0.5 – 10 mL L, 243 mm	0030 077 598





(Image reduced size)

Special Tips



Volume range/ pipette tip

light gray	GEloader®
0.5 – 20 µL, 62 mm	192 tips (2 racks x 96 tips) 0030 001 222
light gray	Microloader™
0.5 – 20 µL, 100 mm	192 pcs. (2 racks x 96 pcs.) 5242 956 003

