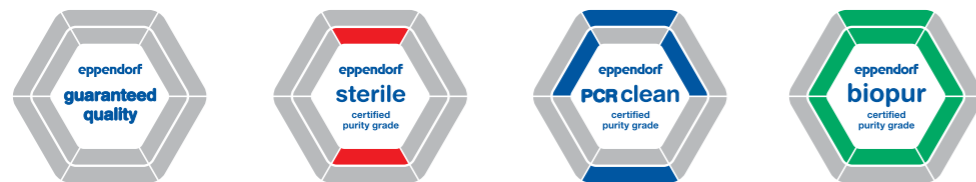




Eppendorf Purity Grades for Tips



Eppendorf epT.I.P.S.[®], ep Dualfilter T.I.P.S.[®] and Combitips advanced[®] stand for highest quality and purity. The high precision and accuracy of pipette tips and Combitips[®] is guaranteed 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 Combitip 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 beside). For further details please read page 492.



Pure quality: Tested lot by lot

With the strictest control criteria, internally and externally monitored, we guarantee the consistently 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 and Eppendorf Biopur[®]". In addition to our internal process controls, the sterile, Protein-free, PCR clean and Eppendorf Biopur purity grades are

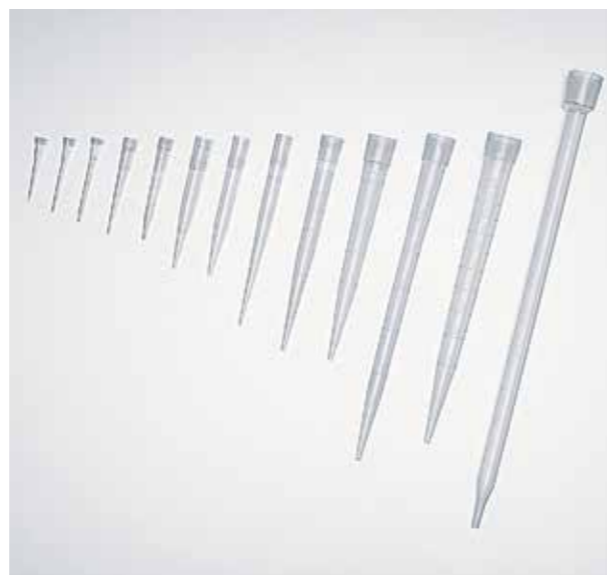
tested by an external lab lot by lot. This allows us to ensure we consistently meet our customer's high demands when it comes to purity. As a special service, we make the inspection certificate for each delivered lot available online. (www.eppendorf.com/certificates).



Purity grades	Eppendorf Quality [™]	Eppendorf sterile	Eppendorf PCR clean	Eppendorf sterile + PCR clean	Eppendorf Biopur [®]
Continuous quality control for the following relevant criteria:					
Function, tightness, precision	■	■	■	■	■
Low wetting	■	■	■	■	■
High chemical resistance	■	■	■	■	■
High thermal resistance	■	■	■	■	■
High resistance to centrifugation forces* ¹	■	■	■	■	■
High transparency	■	■	■	■	■
Precisely shaped	■	■	■	■	■
Lot testing*² (certified) for the following purity criteria:					
Pyrogen-free (endotoxin-free)		■		■	■
Sterile (Ph.Eur./USP)		■		■	■
Human DNA-free			■	■	■
DNA-free (Human- + bacteria DNA)			■	■	■
DNase-free			■	■	■
RNase-free			■	■	■
PCR-inhibitor-free			■	■	■
ATP-free					■
Eppendorf tips					
epT.I.P.S. [®] Standard + Box + Set	■				
epT.I.P.S. [®] Reloads	■		■		
epT.I.P.S. [®] Racks	■	■* ³	■	■	■
epT.I.P.S. [®] Singles					■* ³
ep Dualfilter T.I.P.S. [®]				■	
ep Dualfilter T.I.P.S. [®] SealMax				■	
ep Dualfilter T.I.P.S. [®] LoRetention				■	
Combitips advanced [®]	■	■* ³	■		■* ³
epT.I.P.S. [®] LoRetention	■		■		
epT.I.P.S. [®] Motion	■				
epT.I.P.S. [®] Motion filtertips		■	■	■	

*¹ For accurate details regarding resistance to centrifugation, please refer to the respective product pages. *² Lot-specific certificate can be downloaded from www.eppendorf.com/certificates. *³ Only available in North America.

i For more information go to www.eppendorf.com

epT.I.P.S.[®]**Description**

For epT.I.P.S. – the original Eppendorf “Totally Integrated Pipetting System” – the tips are optimally coordinated to Eppendorf pipettes and, of course, meet EN ISO 8655 requirements. This has resulted in minimal attachment and ejection forces with the highest level of tightness. epT.I.P.S. pipette tips can be used with pipettes from other manufacturers. Optimal wetting properties, high transparency and special, certified purity grades are the visible expression of our product and production philosophy.

Applications

- > Pipetting liquids
- > Dispensing liquids
- > Mixing liquids
- > Filling plates and reaction vessels
- > Filling gels for electrophoresis
- > Phase extraction and removal of supernatants



i For more information go to www.eppendorf.com/epTips

➤ Ordering information see page 50 onward.

Product appearance, specifications, and/or prices are subject to change without notice.

Product features

- > The ergonomically optimized cone geometry provides the optimal pipette fit on the Eppendorf Pipette
- > epT.I.P.S. pipette tips can be used universally, including pipette models from other manufacturers
- > Fine graduations make visual checks of the pipetting volume even easier
- > Long, narrow tips reach the base of narrow and high vessels without touching the top of the vessel edge
- > Fine retracted or extended tips simplify work with small volumes
- > Available in four purity grades: Eppendorf Quality, PCR clean, Eppendorf Biopur[®], PCR clean/Sterile (sterile and pyrogen-free)
- > Color-coded trays make volume identification and allocation of Eppendorf pipettes easier than ever

**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 pipette tips can be autoclaved at 121 °C

epT.I.P.S.[®] Box/ epT.I.P.S.[®] Set

- > Contamination-free transfer of trays to stable working box
- > System optimized for use with multichannel pipettes
- > Color-coded trays for simple identification of tips and pipette
- > Tips can be attached to pipette from refill trays
- > Boxes and trays are autoclavable
- > epT.I.P.S. Box and epT.I.P.S. Set available in Eppendorf Quality

epT.I.P.S.[®] Reloads

- > All components are 100 % recyclable
- > Reduced waste as compared with disposable racks
- > The refill trays can be autoclaved, in packaging and without foil, for subsequent use
- > The refill system, depending on tips size, is packaged as either dual-sided or in stack form
- > Available in purity grades of Eppendorf Quality and PCR clean
- > Color-coded trays for simple volume and pipette identification

epT.I.P.S.[®] Racks

- > Hinged lid can be flipped open with one hand
- > Ideal for when absolute purity is needed. Each rack is individually sealed to guarantee purity extended footprint provides stability during tip attachment
- > Fully autoclavable
- > Each production lot inspected continuously by independent laboratory
- > Lot-specific certificates available for PCR Clean, Sterile and Biopur racks at www.eppendorf.com/certificates
- > Packed in racks with 96, 48 or 24 tips

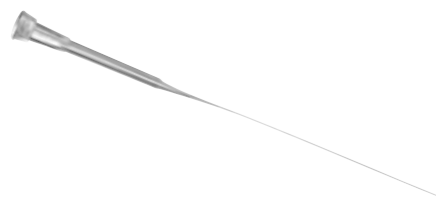
epT.I.P.S.[®]**epT.I.P.S.[®] Singles**

- > Eppendorf Biopur pipette tip, individually wrapped
- > Guaranteed PCR clean, sterile, pyrogen-, ATP- and DNA-free
- > For use in medical, pharmaceutical and food industry, molecular biology and cell technology
- > Batch number and expiration date on each blister package
- > Each production lot inspected continuously by independent laboratory
- > Lot-specific certificates available at www.eppendorf.com/certificates

Special Tips

**Eppendorf GELoader[®]**

- > Special tip for gel electrophoresis, loading of polyacrylamide gels
- > Flexible long and narrow tips for handling of smallest volumes
- > GELoader tips are rack autoclavable
- > Highest precision and accuracy when used with Eppendorf 0.5 to 10 μ L pipettes (gray control button)

**Eppendorf Microloader[™]**

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

i For more information go to www.eppendorf.com/epTips

> Ordering information see page 50 onward.

epT.I.P.S.[®] Long**Description**

With the slim design of the extra long epT.I.P.S. and ep Dualfilter T.I.P.S. pipette tips, you always achieve best results when pipetting into Eppendorf 5-mL-tubes, conical tubes, cell culture flasks, deepwell plates and other deep vessels. Furthermore, the risk of touching the walls of these deep vessels is minimized and cross-contamination is virtually eliminated. Extra long epT.I.P.S. are available in the following volumes:

- > 0.5-20 μ L L, 46 mm: Ideal for pipetting from 0.2, 0.5, 1.5 and 2 mL tubes as well as plates
- > 50-1,250 μ L L, 103 mm: Ideal for pipetting out of 1 mL deepwell plates
- > 0.2 - 5 mL L, 175 mm: Ideal for pipetting out of 25 cm³ cell culture flasks, volumetric flasks and 25 mL graduated cylinders
- > 0.5-10 mL L, 243 mm: Ideal for pipetting out of 75 cm² cell culture flasks, 1 L reagent bottles and Erlenmeyer flask or measuring cylinders

Available in our purity grades Eppendorf Quality[™]; PCR clean; PCR clean/Sterile (sterile and pyrogen-free); Eppendorf Biopur[®].

Applications

- > Pipetting liquids
- > Dispensing liquids
- > Mixing liquids
- > Filling plates and reaction vessels
- > Filling gels for electrophoresis
- > Phase extraction and removal of supernatants

Product features

- > Slim design of the extra long epT.I.P.S. and ep Dualfilter T.I.P.S. pipette tips eliminates the risk of touching the walls of deep vessels, thus cross-contamination is virtually eliminated
- > Always obtain best results when pipetting from and into Eppendorf 5-mL-tubes, conical tubes, cell culture flasks, deep wells and other deep vessels
- > Available in Eppendorf Quality, PCR clean, PCR clean/Sterile (sterile and pyrogen-free), and Eppendorf Biopur purity grades



ep Dualfilter T.I.P.S.[®]



Description

ep Dualfilter T.I.P.S. filter tips are the first filter tips with a two-phase filter for contamination protection. The two filter layers made of flexible, hydrophobic material, fit perfectly in the tip cone and retain practically 100 % of all aerosols*¹ and biomolecules. This unique filtering effect is achieved using various, well-defined pore sizes. The layer facing the sample provides protection from drops, splashes and aerosols. The layer facing the pipette cone functions as a second barrier from contamination, and dependably binds biomolecules. A defined air passage rate guarantees full sample recovery and the customary quick pipetting.

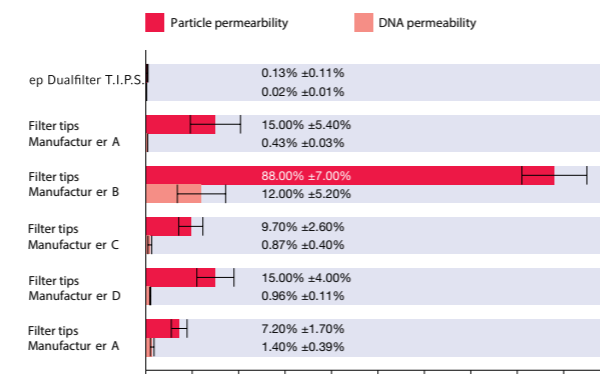
*¹ An aerosol is a colloid of fine solid particles or liquid droplets, in air or another gas.

Product features

- > Two filter layers provide dual protection
- > Dual protection against aerosols*¹ and biomolecules
- > Dual protection for pipette and sample
- > Free of PCR inhibitor additives
- > Available in Eppendorf PCR clean/Sterile (sterile and pyrogen-free)
- > Tested at the Fraunhofer Institute for Toxicology and Experimental Medicine (ITEM) in Hannover, Germany
- > Continuous inspection of each production lot by an independent laboratory
- > Lot-specific certificates are available at: www.eppendorf.com/certificates
- > Certificate of filter efficiency acc. to EN 1822 available at: www.eppendorf.com/certificates

Applications

- > DNA applications (e.g. PCR)
- > RNA applications (e.g. Gene expression analysis)
- > Protein applications (e.g. Antibody Research)
- > Cell Culture applications (e.g. Media)
- > Applications involving the use of radioactive isotopes
- > All applications which use aerosol*¹ binding liquids



For more information go to www.eppendorf.com/epTips

Ordering information see page 50 onward.

Product appearance, specifications, and/or prices are subject to change without notice.



ep Dualfilter T.I.P.S.[®] SealMax



Description

The new violet and white filter for the ep Dualfilter T.I.P.S.[®] SealMax filter tips combine a reliable contamination protection for your pipette from your sample liquid with virtually 100 % protection from aerosols*¹ and biomolecules. This new Dualfilter closes immediately when it comes into contact with the overpipetted sample without inhibiting valuable material. Additionally drops and splashes are retained by the white layer, the violet layer forms the highly-effective barrier against sample liquid. Further information and certification on specific sample recovery features, PCR inhibition and aerosol protection are available on your local Eppendorf website.

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

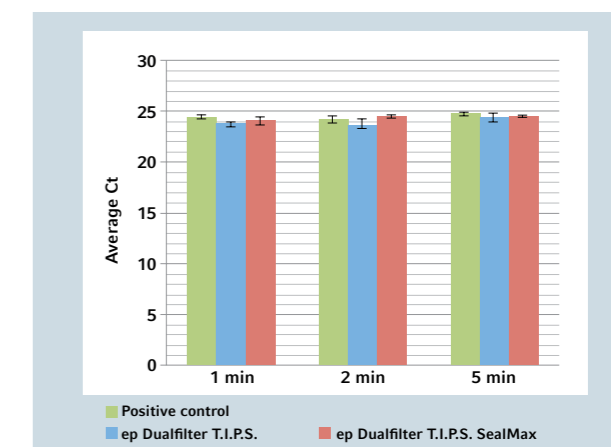
Product features

- > Reliable protection from liquids, aerosols, and biomolecules
- > No PCR inhibiting additives
- > Protection of your pipette from aggressive liquids when over-aspiration occurs
- > Available in PCR clean / Sterile (sterile and pyrogen-free)
- > Continuous inspection of each production lot by an independent laboratory guarantees high purity and quality
- > Lot specific purity certificates available at: www.eppendorf.com/certificates
- > Certificate of filter efficiency acc. to EN 1822 available at: www.eppendorf.com/certificates

Applications

- > DNA applications (e.g. PCR)
- > RNA applications (e.g. Gene expression analysis)
- > Protein applications (e.g. Antibody Research)
- > Cell Culture applications (e.g. Media)
- > Applications involving the use of radioactive isotopes
- > All applications which use aerosol*¹ binding liquids

Fig. 1: Average Ct values of test filter tips (5 replicates of each) and positive control (3 replicates). The error bar represents standard deviation. 1 min, 2 min and 5 min refers to the contact time of the sample water with the filter materials of the test filter tips by over-pipetting, while positive control did not involve any contact with the filter materials.



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. Maximum recovery with epT.I.P.S. LoRetention

Description

The ultrahydrophobic, extremely homogeneous surface of the epT.I.P.S. LoRetention and ep Dualfilter T.I.P.S. LoRetention pipette tips is achieved through an innovative treatment at the molecular level – the Pearl Effect Technology. They are uncoated, free of additives and do not leach into the sample. Liquids containing detergents fully roll off, so that almost no liquid remains in the tip. In comparison, the adhering liquid film in standard tips leaves behind a significantly higher amount of sample material. These outstanding material properties guarantee maximum sample recovery, improved reproducibility and increased sensitivity.

Product features

- > LoRetention polypropylene maximizes reproducibility when working with detergent-containing liquids, e.g. for sensitive PCR and qPCR applications
- > Ultrahydrophobic surface for minimal sample loss
- > Significantly reduced foam formation during pipetting
- > Extreme resistance to chemicals
- > Available in PCR clean and Eppendorf Quality
- > Also available as ep Dualfilter T.I.P.S. in PCR clean/Sterile (sterile and pyrogen-free)
- > No coating, free of additives and do not leach into the sample
- > Lot-specific certificates are available at: www.eppendorf.com/certificates

Applications

- > Cell culture (media)
- > Genomics: PCR, RT-PCR, qPCR and all other types of PCR
- > Enzymatic reactions (restriction digestion, ligation)
- > Isolation and purification of nucleic acid
- > Gel electrophoresis (e.g., prefabricated DNA ladders) typical detergents: SDS, Triton[®], X-100, Brij[®] 35, Tween[®] 20, CHAPS[®]
- > Proteomics (all types of protein examinations)
- > Protein isolation and purification

For more information go to www.eppendorf.com/epTips

Ordering information see page 50 onward.

Product appearance, specifications, and/or prices are subject to change without notice.

Maximum reproducibility with epT.I.P.S. LoRetention and ep Dualfilter T.I.P.S. LoRetention

In particular with sensitive PCR and real-time PCR applications low-retention surfaces can increase reproducibility and notably reduce the loss of expensive reagents - depending on the reagent solution, this can be by up to 5 %!

Versatile application

epT.I.P.S. LoRetention pipette tips are ideally suited for all applications with samples that contain detergents:

- > PCR and real-time PCR preparation of enzyme solutions and master mixes
- > Isolation, purification and denaturation of proteins
- > Restriction digestions and ligations
- > Pipetting DNA ladders during gel electrophoresis

epT.I.P.S. LoRetention and ep Dualfilter T.I.P.S. LoRetention perform considerably better in terms of precision and sample recovery than low retention tips from other manufacturers. In our Application Notes 218 and 192 you find detailed results on the comparison of residual liquid from epT.I.P.S. LoRetention with standard epT.I.P.S. pipette tips. Also shown are low retention tips of other manufacturers and the comparison of resistance of the low retention property when subjected to solvents or autoclaving. Both results showed best performance of epT.I.P.S. LoRetention with lowest residual liquid and smallest standard deviation.

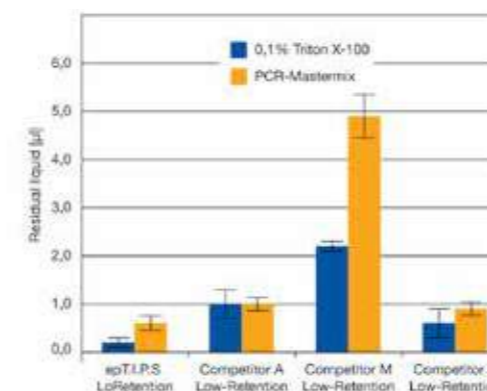


Fig. 1. Comparison of residual liquid from epT.I.P.S. LoRetention and low retention tips of other manufacturers. 200 µL tips were used to pipette a commercial PCR master mix and the detergent 0.1 % Triton X-100. Once the liquid had been dispensed, the residual liquid in the tips was determined. The measurements were repeated several times and the standard deviation determined. epT.I.P.S. LoRetention resulted in the lowest residual liquid, as well as the smallest standard deviation.

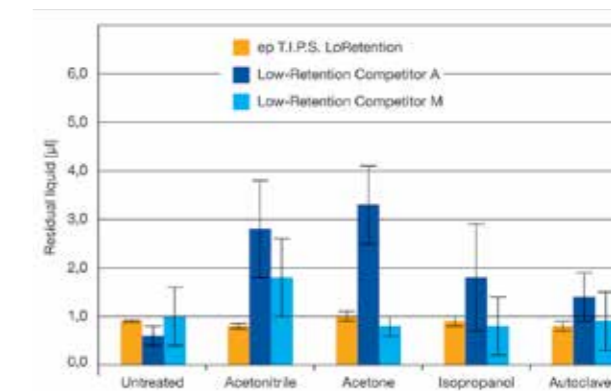









Fig. 2. Comparison of resistance of the low retention property when subjected to solvents or autoclaving. 200 µL epT.I.P.S.

LoRetention and low retention tips of other manufacturers were autoclaved or treated with the solvent specified. An enzymatic buffer containing detergents was then pipetted and the residual moisture was determined. epT.I.P.S. LoRetention resulted in reproducible low levels of residual liquid with minimum standard deviation. Low retention tips from other manufacturers are less resistant to chemicals or autoclaving: this resulted in an increase in residual liquid and standard deviation.

Liquid Handling





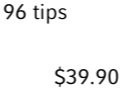
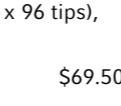
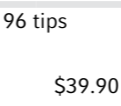
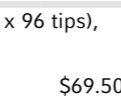
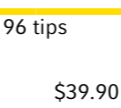
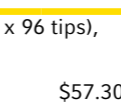
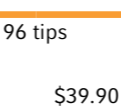
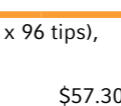
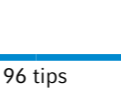
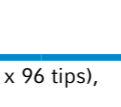

Volume range/epT.I.P.S. [®] epT.I.P.S. [®] LoRetention (all tips shown are actual size)	Standard/Bulk	Reloads	Reloads	PCR clean
	Eppendorf Quality™	Eppendorf Quality™	Eppendorf Quality™	PCR clean
dark gray	1,000 tips (2 bags x 500 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)
0.1 – 10 µL S, 34 mm	022492004 \$70.60	022491504 \$86.70 022493018 \$95.90 LoRetention	022491709 \$100.00 022493010 \$110.16 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)	960 tips (10 trays x 96 tips)
0.1 – 20 µL, 40 mm	022492012 \$70.60	022491512 \$86.70	022491717 \$100.00	
				
light gray	1,000 tips (2 bags x 500 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)
0.5 – 20 µL L, 46 mm	022492021 \$70.60	022491521 \$86.70 022493020 \$95.90 LoRetention	022491725 \$100.00 022493012 \$110.16 LoRetention	
				
yellow	1,000 tips (2 bags x 500 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)
2 – 200 µL, 53 mm	022492039 \$56.20	022491539 \$66.30 022493022 \$76.50 LoRetention	022491733 \$79.60 022493014 \$89.80 LoRetention	
				
orange	1,000 tips (2 bags x 500 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)
20 – 300 µL, 55 mm	022492047 \$56.20	022491547 \$66.30	022491741 \$81.60	
				
blue	1,000 tips (2 bags x 500 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)
50 – 1,000 µL, 71 mm	022492055 \$61.40	022491555 \$74.46 022493024 \$87.70 LoRetention	022491750 \$86.70 022493016 \$95.90 LoRetention	
				
green	1,000 tips (2 bags x 500 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)	960 tips (10 trays x 96 tips)
50 – 1,250 µL, 76 mm	022492063 \$61.40	022491563 \$74.50	022491768 \$86.70	
				

¹⁾ Eppendorf Quality. ²⁾ PCR Clean Quality. ³⁾ Sterile Quality. ⁴⁾ Biopur Quality. ⁵⁾ 480 tips (5 racks x 96 tips).










i For more information go to www.eppendorf.com/epTips

Product appearance, specifications, and/or prices are subject to change without notice.

Liquid Handling

Box	Set	Singles	Racks
Eppendorf Quality™	Eppendorf Quality™	Eppendorf Biopur®	
1 reusable box x 96 tips	480 tips (5 trays x 96 tips), 1 reusable box		
022491300 \$39.90	022491407 \$69.50 0030072251 \$77.50 LoRetention		022491903 ¹ \$109.50 022491806 ² \$129.60
			
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)
022491318 \$39.90	022491415 \$69.50	022491130 \$33.70	022491911 ¹ \$109.50 022491814 ² \$129.60 022492250 ³ \$124.40 022491067 ^{4,5} \$101.00
			
1 reusable box x 96 tips	480 tips (5 trays x 96 tips), 1 reusable box		
022491326 \$39.90	022491423 \$69.50 0030072260 \$77.50 LoRetention		022491920 ¹ \$109.50 022491822 ² \$129.60
			
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)
022491334 \$39.90	022491431 \$57.30 0030072278 \$64.30 LoRetention	022491148 \$27.50	022491938 ¹ \$85.00 022491831 ² \$102.00 022492276 ³ \$97.90 022491083 ^{4,5} \$92.80
			
1 reusable box x 96 tips	480 tips (5 trays x 96 tips), 1 reusable box		480 tips (5 racks x 96 tips)
022491342 \$39.90	022491440 \$57.30		022491946 ¹ \$87.20 022491849 ² \$102.00 022492284 ³ \$97.90 022491091 ^{4,5} \$94.90
			
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)
022491351 \$39.90	022491458 \$57.30 0030072286 \$69.40 LoRetention	022491156 \$28.50	022491954 ¹ \$92.30 022491857 ² \$110.60 022492292 ³ \$107.10 022491105 ^{4,5} \$99.90
			
1 reusable box x 96 tips	480 tips (5 trays x 96 tips), 1 reusable box		480 tips (5 racks x 96 tips)
022491369 \$39.90	022491466 \$60.30		022491962 ¹ \$92.30 022491865 ² \$113.60 022492306 ³ \$107.10 022491113 ^{4,5} \$99.90
			

Liquid Handling








Volume range/epT.I.P.S. [®] epT.I.P.S. [®] LoRetention (all tips shown are actual size)	Standard/Bulk Eppendorf Quality™ 	Reloads Eppendorf Quality™ 	Reloads PCR clean 
dark green 50 – 1,250 µL L, 103 mm	1,000 tips (2 bags x 500 tips) 022494018 \$62.40	960 tips (10 trays x 96 tips) 022494004 \$77.50	960 tips (10 trays x 96 tips) 022494006 \$89.80
			
red 0.25 – 2.5 mL, 115 mm	500 tips (5 bags x 100 tips) 022492071 \$70.60	480 tips (10 trays x 48 tips) 022491571 \$74.50	480 tips (10 trays x 48 tips) 022491776 \$86.70
			
violet 0.1 – 5 mL, 120 mm	500 tips (5 bags x 100 tips) 022492080 \$98.20		
			
violet 0.2 – 5 mL L, 175 mm	300 tips (3 bags x 100 tips) 0030000650 Inquire		
			
turquoise 0.5 – 10 mL, 165 mm	200 tips (2 bags x 100 tips) 022492098 \$54.20		
			
turquoise 0.5 – 10 mL L, 243 mm	200 tips (2 bags x 100 tips) 022492101 \$61.40		
			

(Image reduced size)

¹⁾ Eppendorf Quality. ²⁾ PCR Clean Quality. ³⁾ Sterile Quality. ⁴⁾ Biopur Quality. ⁵⁾ 480 tips (5 racks x 96 tips).i For more information go to www.eppendorf.com/epTips

Product appearance, specifications, and/or prices are subject to change without notice.

Liquid Handling

Box Eppendorf Quality™ 	Set Eppendorf Quality™ 	Singles Eppendorf Biopur [®] 	Racks    
1 reusable box x 96 tips 022494016 \$39.90			480 tips (5 racks x 96 tips) 022494012 ² \$56.60
1 reusable box x 48 tips 022491377 \$39.90	240 tips (5 trays x 48 tips), 1 reusable box 022491474 \$69.60		240 tips (5 racks x 48 tips) 022491971 ¹ \$50.00 022491873 ² \$56.40 022491121 ⁴ \$99.90
1 reusable box x 24 tips 022491385 \$39.90			120 tips (5 racks x 24 tips) 022491989 ¹ \$55.30 022491881 ² \$65.90 022492314 ³ \$107.10 0030075137 ⁴ \$76.50
			120 tips (5 racks x 24 tips) 0030075188 ⁴ Inquire
			120 tips (5 racks x 24 tips) 022491997 ¹ \$79.70 022491164 ⁴ \$85.70

Liquid Handling

Volume range/ ep Dualfilter T.I.P.S. [®] / ep Dualfilter T.I.P.S. [®] LoRetention/ ep Dualfilter T.I.P.S. [®] SealMax	Racks		PCR clean/Sterile (sterile and pyrogen-free)					
	ep Dualfilter T.I.P.S. [®]	ep Dualfilter T.I.P.S. [®] SealMax	ep Dualfilter T.I.P.S. [®]	ep Dualfilter T.I.P.S. [®] LoRetention	ep Dualfilter T.I.P.S. [®] SealMax	ep Dualfilter T.I.P.S. [®] SealMax		
dark gray 0.1 – 10 µL S, 34 mm	960 tips (10 racks x 96 tips)	960 tips (10 racks x 96 tips)	022491202	\$161.50	022493000 LoRetention	\$177.50	0030077806 SealMax	\$169.70
medium gray 0.1 – 10 µL M, 40 mm	960 tips (10 racks x 96 tips)	960 tips (10 racks x 96 tips)	022491211	\$161.50				
light gray 0.5 – 20 µL L, 46 mm	960 tips (10 racks x 96 tips)	960 tips (10 racks x 96 tips)	022491229	\$161.50	022493002 LoRetention	\$177.50	0030077814 SealMax	\$169.70
yellow 2 – 20 µL, 53 mm	960 tips (10 racks x 96 tips)	960 tips (10 racks x 96 tips)	022491270	\$161.50				
yellow 2 – 100 µL, 53 mm	960 tips (10 racks x 96 tips)	960 tips (10 racks x 96 tips)	022491237	\$156.30	022493006 LoRetention	\$165.90	0030077822 SealMax	\$164.60
yellow 2 – 200 µL, 55 mm	960 tips (10 racks x 96 tips)	960 tips (10 racks x 96 tips)	022491296	\$156.30			0030077830 SealMax	\$164.60
orange 20 – 300 µL, 55 mm	960 tips (10 racks x 96 tips)	960 tips (10 racks x 96 tips)	022491245	\$156.30	022493004 LoRetention	\$177.50	0030077849 SealMax	\$164.60
blue 50 – 1,000 µL, 76 mm	960 tips (10 racks x 96 tips)	960 tips (10 racks x 96 tips)	022491253	\$161.50	022493008 LoRetention	\$177.50	0030077857 SealMax	\$169.70
dark green 50 – 1,250 µL L, 103 mm	480 tips (5 racks x 96 tips)	480 tips (5 racks x 96 tips)	022494002	\$84.90				

i For more information go to www.eppendorf.com/epTips

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Liquid Handling

Volume range/ ep Dualfilter T.I.P.S. [®] / ep Dualfilter T.I.P.S. [®] LoRetention/ ep Dualfilter T.I.P.S. [®] SealMax	Racks		PCR clean/Sterile (sterile and pyrogen-free)					
	ep Dualfilter T.I.P.S. [®]	ep Dualfilter T.I.P.S. [®] SealMax	ep Dualfilter T.I.P.S. [®]	ep Dualfilter T.I.P.S. [®] LoRetention	ep Dualfilter T.I.P.S. [®] SealMax	ep Dualfilter T.I.P.S. [®] SealMax		
violet 0.1 – 5 mL, 120 mm	120 tips (5 racks x 24 tips)	120 tips (5 racks x 24 tips)	022491261	\$89.00				
violet 0.2 – 5 mL L, 175 mm	120 tips (5 racks x 24 tips)	120 tips (5 racks x 24 tips)	0030077725	Inquire				
turquoise 0.5 – 10 mL L, 243 mm	100 tips, individually packed	100 tips, individually packed	022491288	\$75.50				

(Image reduced size)

Special Tips

Volume range/ pipette tip	Eppendorf guaranteed quality
light gray 0.5 – 20 µL, 62 mm	Eppendorf GELoader[®] 192 tips (2 racks x 96 tips) 022351656 \$137.80
light gray 0.5 – 20 µL, 100 mm	Microloader[™] 192 pcs. (2 racks x 96 pcs.) 930001007 \$169.00
light gray 20 µL, 52 mm	Mastertip[®] (positive displacement tip) 480 tips (5 racks x 96 tips) 022354159 \$272.00

