

## The Perfect Fit – Eppendorf Pipette Tips

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

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

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

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

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

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

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

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



#### epT.I.P.S.® Reloads

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



New



#### epT.I.P.S.® BioBased Sterile Reloads

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

Get all the details of our pipette tips portfolio!  
Explore the eshop and get an overview!

[www.eppendorf.link/tips](http://www.eppendorf.link/tips)





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

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



#### epT.I.P.S.® Racks

- > Eppendorf Biopur® pipette tips in disposable Racks, the Rack body of which is made from "single-source" intra-type collection PP recycle, have our highest degree of biological purity.
- > Ensured PCR clean, sterile, pyrogen-, ATP- and DNA-free
- > All pre-sterilized epT.I.P.S. and ep Dualfilter T.I.P.S. variants are available in Racks whose body is made of 100% recycle0



#### epT.I.P.S.® Singles

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



#### epT.I.P.S.® Standard

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





# Eppendorf Purity Grades for Tips

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

The high precision and accuracy of pipette tips and filter pipette tips is ensured by precise molding. Each lot of our pipette tips is subject to gravimetric measurement during final testing. Low wetting ensures reliable volume readings and minimal adhesion. Pipette tips made of PP (polypropylene). A relatively inert plastic characterized by low wettability as well as high dimensional and mechanical stability across a wide temperature range. Our tips are available in a variety of purity grades (See [purity grades table on page 49](#)).

## Pure Quality at Eppendorf

[www.eppendorf.link/purity](http://www.eppendorf.link/purity)



eppendorf

## Eppendorf Certificate

### Certificate of Purity – PCR clean

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

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

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

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

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

The certification comprises the following tests:

**Human DNA Contamination Test**

A PCR master mix is prepared using the Quantitect<sup>®</sup> Sybr<sup>®</sup> Green PCR Kit (Qiagen<sup>®</sup>) and primer for the detection of human DNA. The primers amplify a 234 bp fragment present in more than 1x10<sup>5</sup> copies per human cell. The master mix (15 µl) is added to 5 positive control vessels containing known amounts of human DNA (32, 16, 8, 4 and 2 pg in 10 µl H<sub>2</sub>O) plus a negative control (10 µl DNA-free H<sub>2</sub>O).

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

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

**DNase Test**

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

Page 1 of 2

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

LADR GmbH MVZ Bremen  
Bereich Lebensmittel- und Umweltanalytik  
Friedrich-Kell-Str. 22, D-28205 Bremen

ISO 17025 accredited by  
**DAKIS**  
Deutscher Akkreditationsrat  
DIN EN ISO 17025:2005

## Test Report – Eppendorf Biopur –

epT.I.P.S.<sup>®</sup> Racks 0.1 - 20 µL

für 66 Eppendorf Filter  
Eppendorf Biopur

Order no.: 0090 076 226    Cat. no.: 0830073026  
Eppendorf AG    Eppendorf AG, 22844 Hamburg, Germany    Eppendorf North America, Inc. USA  
Eppendorf.de    Eppendorf.com

<p><b>* Human DNA</b> Method: real-time PCR acc. to SOP 08960V2 Limit: &lt; 2 pg/µl from one human cell</p> <p><b>* Bacterial DNA</b> Method: real-time PCR acc. to SOP 100051V3 Limit: &lt; 50 ng/µl from 10<sup>6</sup> E. coli cells</p> <p><b>* DNase</b> Method: DNA Digestion acc. to SOP 100070V1 No detectable LOD: 1.0 x 10<sup>-10</sup> Plasmid units</p> <p><b>* RNase</b> Method: RNA Digestion acc. to SOP 100070V1 Not detectable LOD: 1.0 x 10<sup>-10</sup> Plasmid units</p>	<p><b>* PCR inhibition</b> Method: real-time PCR acc. to SOP 100080V1 Limit: &lt; 850 ng/ml 10 targets at 100 ng/µl</p> <p><b>* Sparging</b> Method: Sterilization with DAL 10<sup>6</sup> by 30 minutes according to EN ISO 11837:2010 or EQ Eppendorf certifies</p> <p><b>* Test method</b> SOP, Pt. 2a, 9.1 / 2.8.12</p> <p><b>* Endotoxin</b> Method: Kryptochromogen LPS test (PK, Ekt. 5.0 / 2.8.14) Limit: &lt; 0.001 EU/ml</p> <p><b>* ATP</b> Method: Pre-sterilization test / Bioburden test (PK, Ekt. 3.0 / 2.8.12) Limit: &lt; 8.0 x 10<sup>-10</sup> mg</p>
--	--

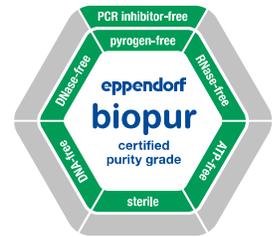
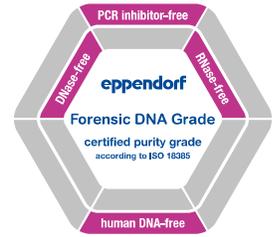
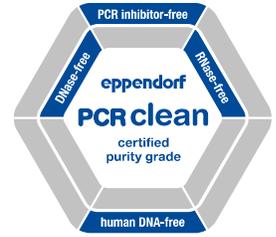
Customer: Eppendorf SE, Barkhauserweg 1, D-22238 Hamburg  
Date of sample receipt / examination: 17.01.23  
Testing of the above described lot showed conformity within the limits of detection.

Date of release: 20.01.23    Eppendorf 2052    T. Weyl  
Responsible number    DGI-BCD, Thomas Wegel (Head)

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

page 1 of 1

LADR GmbH MVZ Bremen, Bereich Lebensmittel- & Umweltanalytik | Friedrich-Kell-Str. 22 | D-28205 Bremen | Germany  
Phone: +49 421 4207-200 | Fax: +49 421 4207-150 | [service@ladr.de](mailto:service@ladr.de) | [www.ladr.de](http://www.ladr.de) | [www.laborzentrum-erzheim.de](http://www.laborzentrum-erzheim.de)





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



[www.eppendorf.link/PG\\_Guide](http://www.eppendorf.link/PG_Guide)

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

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





## epT.I.P.S.<sup>®</sup>

### Description

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



### Product features

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

### Applications

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

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



### Product features

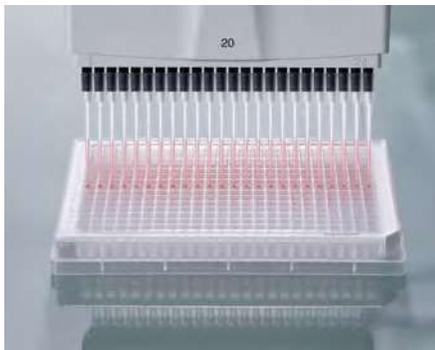
- > epT.I.P.S.<sup>®</sup> Box 2.0 – empty reusable boxes for tip volumes of 10 µL - 5 mL
- > epT.I.P.S.<sup>®</sup> Box 2.0 – all three sizes are available in Eppendorf Quality
- > Autoclavable at 121 °C (20 min.) for subsequent use

### Ordering information

Description	Order no.
epT.I.P.S. <sup>®</sup> Box 2.0 for epT.I.P.S. <sup>®</sup> Reloads, empty box, does not include tips	
Eppendorf Quality, 10 – 300 µL	0030076249
Eppendorf Quality, 1,000 – 1,250 µL	0030076257
Eppendorf Quality, 1,250 µL L – 5 mL	0030076265



## epT.I.P.S.<sup>®</sup> 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<sup>®</sup> plus and Xplorer<sup>®</sup> plus 16- and 24-channel pipettes, as well as 20  $\mu$ L and 100  $\mu$ L Move It<sup>®</sup> 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  $\mu$ L and 100  $\mu$ L 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.<sup>®</sup> 384



#### Description

ep Dualfilter T.I.P.S. 384 with the innovative SOFTattach technology are optimally coordinated to the Eppendorf 16- and 24-channel pipettes Research plus and Xplorer plus, as well as 20  $\mu$ L and 100  $\mu$ L 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  $\mu$ L and 100  $\mu$ L Move It adjustable tip spacing pipettes for utmost safety and reliability
- > Innovative SOFTattach technology allows for reliable tip fit and tightness while operating forces are reduced to a minimum
- > Fill a whole 384-well plate without loosening pipette tips

#### An extraordinary tip alignment

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





## ep Dualfilter T.I.P.S.<sup>®</sup>



### Description

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

### Product features

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

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

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

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



## epT.I.P.S.<sup>®</sup> Long



### Description

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

### Product features

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



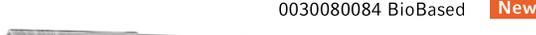
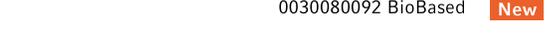
Watch this video!



[www.eppendorf.link/eptips-video](http://www.eppendorf.link/eptips-video)



## Manual Liquid Handling

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



Guide



## Manual Liquid Handling

## Set

480 tips (5 trays × 96 tips),  
1 reusable box  
0030076290

## Singles

100 tips, individually packed  
0030010027

## Racks

480 tips (5 racks × 96 tips)  
0030075226

## Reloads

480 tips (5 trays × 96 tips)  
0030075420 BioBased

480 tips (5 trays × 96 tips),  
1 reusable box  
0030076311

480 tips (5 trays × 96 tips),  
1 reusable box  
0030076320

100 tips, individually packed  
0030010043

480 tips (5 racks × 96 tips)  
0030075234

480 tips (5 trays × 96 tips)  
0030075439 BioBased

480 tips (5 trays × 96 tips),  
1 reusable box  
0030076338

480 tips (5 racks × 96 tips)  
0030075242

480 tips (5 trays × 96 tips)  
0030075447 BioBased

480 tips (5 trays × 96 tips),  
1 reusable box  
0030076346

100 tips, individually packed  
0030010060

480 tips (5 racks × 96 tips)  
0030075250

480 tips (5 trays × 96 tips)  
0030075455 BioBased

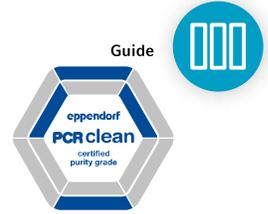
480 tips (5 trays × 96 tips),  
1 reusable box  
0030076354

480 tips (5 racks × 96 tips)  
0030075269

480 tips (5 trays × 96 tips)  
0030075463 BioBased



## Manual Liquid Handling



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

(Image reduced size)



Guide



Manual Liquid Handling



Box

Set

Racks

Reloads

1 reusable box × 96 tips  
0030076192

1 reusable box × 48 tips  
0030076206

480 tips (5 racks × 96 tips)  
0030075277 Biopur®

480 tips (5 trays × 96 tips)  
0030075471 BioBased

1 reusable box × 48 tips  
0030076206

240 tips (5 trays × 48 tips),  
1 reusable box  
0030076362

240 tips (5 racks × 48 tips)  
0030075285 Biopur®

1 reusable box × 24 tips  
0030076214

120 tips (5 racks × 24 tips)  
0030075293 Biopur®  
0030071638 Eppendorf Quality  
0030071662 PCR clean

120 tips (5 racks × 24 tips)  
0030075307 Biopur®  
0030071646 Eppendorf Quality

120 tips (5 racks × 24 tips)  
0030075315 Biopur®  
0030071654 Eppendorf Quality



## Manual Liquid Handling



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

■ dark gray

0.1 – 10 µL S, 34 mm



Racks

960 tips (10 racks × 96 tips)

0030078500

0030078691 SealMax



Reloads

960 tips (10 trays × 96 tips)

0030081021

BioBased

■ medium gray

0.1 – 10 µL M, 40 mm



960 tips (10 racks × 96 tips)

0030078519

0030078810

960 tips (10 trays × 96 tips)

0030081030

BioBased

■ light gray

0.5 – 20 µL L, 46 mm



960 tips (10 racks × 96 tips)

0030078527

0030078705 SealMax



960 tips (10 trays × 96 tips)

0030081048

BioBased

0030081234

SealMax BioBased

■ yellow

2 – 20 µL, 53 mm



960 tips (10 racks × 96 tips)

0030078535

0030078829

960 tips (10 trays × 96 tips)

0030081056

BioBased

■ yellow

2 – 100 µL, 53 mm



960 tips (10 racks × 96 tips)

0030078543

0030078713 SealMax



960 tips (10 trays × 96 tips)

0030081064

BioBased

0030081242

SealMax BioBased

■ yellow

2 – 200 µL, 55 mm



960 tips (10 racks × 96 tips)

0030078551

0030078721 SealMax

0030078837



960 tips (10 trays × 96 tips)

0030081072

BioBased

0030081250

SealMax BioBased

■ orange

20 – 300 µL, 55 mm



960 tips (10 racks × 96 tips)

0030078560

0030078730 SealMax



960 tips (10 trays × 96 tips)

0030081080

BioBased

0030081269

SealMax BioBased

■ blue

50 – 1,000 µL, 76 mm



960 tips (10 racks × 96 tips)

0030078578

0030078748 SealMax

0030078845



960 tips (10 trays × 96 tips)

0030081099

BioBased

0030081277

SealMax BioBased

■ dark green

50 – 1,250 µL L, 103 mm



480 tips (5 racks × 96 tips)

0030078594

960 tips (10 trays × 96 tips)

0030081102

BioBased



Guide

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

0.25 – 2.5 mL, 115 mm

**Racks**

240 tips (5 racks × 48 tips)

0030078586

**violet**

0.1 – 5 mL, 120 mm

120 tips (5 racks × 24 tips)

0030078616

**violet**

0.2 – 5 mL L, 175 mm

120 tips (5 racks × 24 tips)

0030078624

**turquoise**

0.5 – 10 mL L, 243 mm

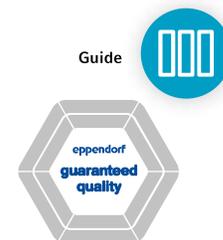
100 tips, individually packed

0030077598



(Image reduced size)





# Tips for 384-Well Pipetting Solutions

Volume range/epT.I.P.S. <sup>®</sup> 384	Reloads	Reloads	Set
<b>light pink</b>			
0.1 – 20 µL, 42 mm 	3,840 tips (10 trays × 384 tips) 0030076001	3,840 tips (10 trays × 384 tips) 0030076044	1,920 tips (5 trays × 384 tips), 1 reusable box 0030076273
<b>light yellow</b>			
5 – 100 µL, 53 mm 	3,840 tips (10 trays × 384 tips) 0030076010	3,840 tips (10 trays × 384 tips) 0030076052	1,920 tips (5 trays × 384 tips), 1 reusable box 0030076281

## Combination of Pipette Tips and Pipettes

	0.1 – 10 µL, dark gray	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	5 – 100 µL, light yellow	2 – 20 µL, yellow	2 – 100 µL, yellow	2 – 200 µL, yellow
epT.I.P.S. <sup>®</sup>	■		■	■	■				■
ep Dualfilter T.I.P.S. <sup>®</sup>	■	■		■	■	■	■	■	■
ep Dualfilter T.I.P.S. <sup>®</sup> SealMax <sup>®</sup>	■			■				■	■
<b>Fixed volume, single-channel pipettes</b>									
10 µL	■ ●	■	■	●					
20 µL	■		●	■					
10 µL	■						■	■	■
20 µL	■						■	■	■
25 µL/50 µL/100 µL	■							■	■
200 µL	■								■
200 µL/250 µL/500 µL/1,000 µL	■								■
<b>Variable volume, single-, 8- and 12-channel pipettes</b>									
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	■								
<b>Variable volume, 16- and 24-channel pipettes</b>									
1 – 20 µL	■				■				
5 – 100 µL	■					■			
<b>Move It<sup>®</sup>, variable volume, 4-, 6-, 8- and 12-channel pipettes</b>									
1 – 20 µL	■				■				
5 – 100 µL	■					■			
30 – 300 µL	■						◆	◆	◆
120 – 1,200 µL	■								

■ Test tip (other tips may require adjustment) ● Full volume range ◆ Limited volume range





Eppendorf Reference® 2	0.1 – 10 µL, dark gray	0.1 – 10 µL M, medium gray	0.1 – 20 µL, medium gray	0.5 – 20 µL L, light gray	2 – 20 µL, yellow	2 – 100 µL, yellow	2 – 200 µL, yellow	20 – 300 µL, orange
epT.I.P.S.®	■		■	■			■	■
ep Dualfilter T.I.P.S.®	■	■		■	■	■	■	■
ep Dualfilter T.I.P.S.® SealMax®	■			■		■	■	■
Fixed volume, single-channel pipettes								
1 µL/2 µL	■	●	●					
5 µL/10 µL	■	■	■	●				
20 µL	■		●	■				
10 µL	■				■	■	■	●
20 µL	■				■	■	■	●
25 µL/50 µL/100 µL	■					■	■	●
200 µL	■						■	●
200 µL/250 µL/500 µL/1,000 µL	■							●
2 mL/2.5 mL	■							
Variable volume, single-, 8- 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	■							
0.25 – 2.5 mL	■							
0.5 – 5 mL	■							
1 – 10 mL	■							

■ Test tip (other tips may require adjustment) ● Full volume range ◆ Limited volume range

Eppendorf Xplorer®/ Eppendorf Xplorer® plus/ Eppendorf Xplorer® plus Move It®	0.1 – 10 µL, dark gray	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	5 – 100 µL, light yellow	2 – 20 µL, yellow	2 – 100 µL, yellow	2 – 200 µL, yellow
epT.I.P.S.®	■		■	■	■				■
ep Dualfilter T.I.P.S.®	■			■				■	■
ep Dualfilter T.I.P.S.® SealMax®	■			■				■	■
Variable volume, single-, 8- and 12-channel pipettes									
0.5 – 10 µL	■	■	■	●					
1 – 20 µL	■	◆	◆	■					
5 – 100 µL	■						◆	■	■
10 – 200 µL	■						◆	◆	■
15 – 300 µL	■						◆	◆	◆
50 – 1,000 µL	■								
50 – 1,200 µL	■								
0.1 – 2.5 mL	■								
0.2 – 5 mL	■								
0.5 – 10 mL	■								
Variable volume, 16- and 24-channel pipettes									
1 – 20 µL	■				■				
5 – 100 µL	■					■			
Move It®, variable volume, 4-, 6-, 8- and 12-channel pipettes									
1 – 20 µL	■				■				
5 – 100 µL	■					■			
15 – 300 µL	■						◆	◆	◆
50 – 1,200 µL	■								

■ Test tip (other tips may require adjustment) ● Full volume range ◆ Limited volume range

