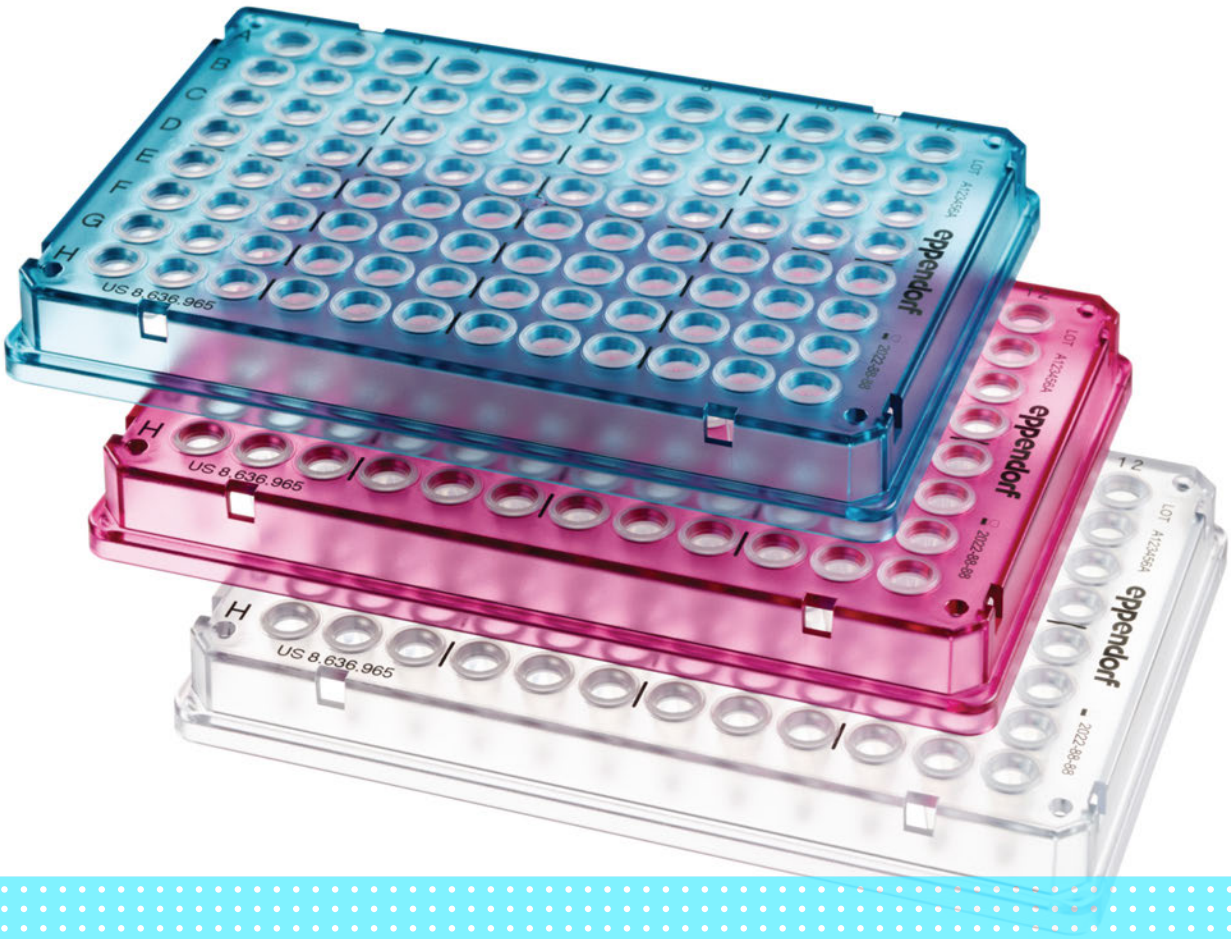
eppendorf

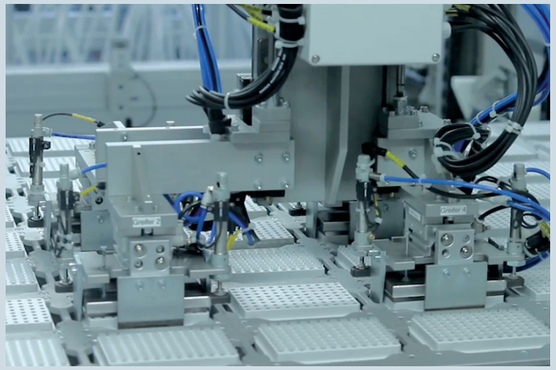


Confidence in Your Consumables

Eppendorf Consumables Select Product List

Eppendorf Quality Commitment

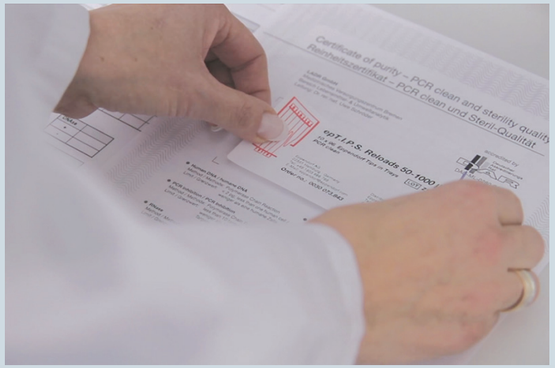
Eppendorf® is a leading manufacturer of high-quality consumables for research laboratories. With the introduction of the first 1.5 mL microcentrifuge tube in 1963, we set a universal standard that to this day is still used in all research and diagnostic laboratories throughout the world. We strive to constantly improve our manufacturing techniques so that researchers around the world have a product they can rely on.



Manufacturing is done under clean room conditions and is a fully automated process eliminating human interaction as much as possible.

Our commitment to quality is second to none. From the raw material down to the final product, we perform routine quality checks to ensure the consumable is manufactured to exact specifications; delivering the performance you've come to expect from Eppendorf.

Regular maintenance of our molding tools guarantees stringent production tolerances, ensuring batch-to-batch and tube-to-tube consistency.



As a commitment to product purity, each production lot of PCR Clean, Forensic DNA Grade, Sterile, and Eppendorf Biopur® quality products is tested and certified by an independent, third-party laboratory to guarantee purity.

»Eppendorf Consumables are manufactured without the use of slip agents, plasticizers and biocides — substances that have been shown to leach from plastic consumables into the sample and negatively affect bioassays«

Leachables can affect bioassay results

Chemicals used in the manufacturing of disposable plastic labware, such as slip agents, plasticizers or biocides, can leach out of the plastic into your samples. Recent scientific reports have shown that these chemicals can be carried over to all of your downstream applications leading to erroneous results.[1–6]

Original Eppendorf Tubes and Eppendorf Plates are produced without additives that have been shown to influence bioassay results. Trust in Eppendorf consumables because your samples deserve the best treatment!

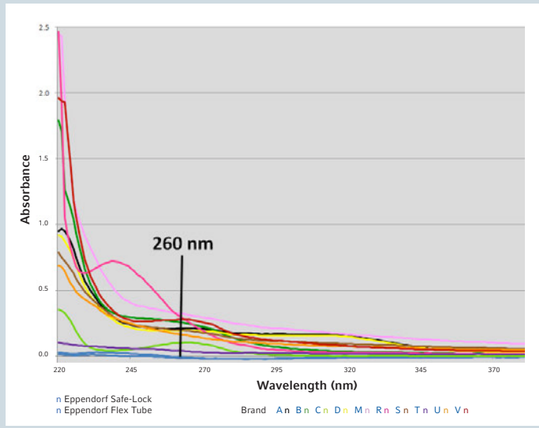


Figure 1: Chemicals released from different brands of tubes can contaminate your sample. Shown are UV absorbance spectra of pure water that was incubated for 30 min at 95 °C in tubes from different manufacturers. As described in a recent publication,[3] one of the effects that these chemicals can have is that they skew absorbance readings and lead to erroneous DNA quantification.

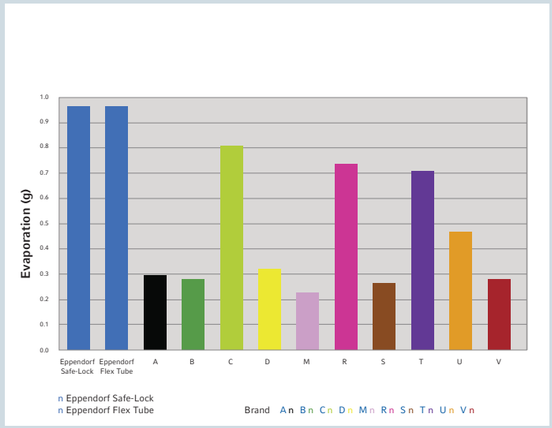


Figure 2: The brand of tube can affect evaporation rate. Chemicals, for example, oily slip agents, released from the tube plastic can slow down evaporation. Method described in footnote.* Some of these slip agents (e.g., oleamide) have also been shown to negatively affect the outcome of biological tests like enzyme activity or receptor —binding assays.[1,2,5]

References:
[1]McDonald G. R. et al.: *Science*, 322, 917 (2008)
[2]Reid G. et al.: *GIT Laboratory Journal*, 9-10, 2-4 (2009)
[3]Lewis, L. K. et al.: *BioTechniques*, 48, 297-302 (2010)
[4]Belaiche C. et al.: *Clin. Chem.*, 55, 1883-1884 (2009)
[5]Watson J. et al.: *J Biomol Screen*, 14(5), 566-572 (2009)
[6]Olivieri A. et al.: *Can. L. Phys. Pharm*. 90, 697-703 (2012)

* Method for Figure 2: 1.5 mL microcentrifuge tubes from different brands were loaded with 1 mL dH_2O and incubated at 60°C for 60 min with mixing at 1,400 rpm on a Thermomixer® R. After incubation, tubes were weighed and then loaded into the Vacufuge® plus and spun on the aqueous setting with vacuum (V-AQ) for 3 hrs. The tubes were weighed a second time. The graph shows the difference in the volume of the tubes before and after vacuum concentration.

The Pure Truth: Eppendorf Purity Grades

	Eppendorf Quality	Sterile	PCR clean	PCR clean and sterile*	Forensic DNA Grade*	Biopur®*
Continuous quality control for the following criteria						
Function, tightness, precision	■	■	■	■	■	■
Low wetting	■	■	■	■	■	■
High chemical resistance	■	■	■	■	■	■
High thermal resistance	■	■	■	■	■	■
High centrifugation stability**	■	■	■	■	■	■
High transparency	■	■	■	■	■	■
Precisely shaped	■	■	■	■	■	■
Lot-specific certified for the following purity criteria						
Human DNA-free			■	■	■	■
DNA-free (human + bacterial DNA)						■
DNase-free			■	■	■	■
RNase-free			■	■	■	■
PCR inhibitor-free			■	■	■	■
ATP-free						■
Pyrogen-free (endotoxin-free)		■		■		■
Sterile (Ph.Eur./USP)		■		■		■
Methods (Examples)						
Applications requiring high general quality, but no checked special purities	■					
Bacteria and yeast cultures		■		■		■
Cell and tissue culture		■		■		■■
Isolation and storage of DNA			■■	■	■■	■
Isolation and storage of RNA			■	■	■	■■
DNA analysis (PCR, restriction analysis, hybridization, sequencing , NGS)			■■	■	■■	■
Mitochondrial DNA analysis					■■	■■
Bacterial DNA analysis						■■
RNA analysis					■	■■
Application Areas (Examples)						
Routine application	■					
Molecular biology			■■	■	■■	■
Microbiology		■		■		■
Cell technology > Stem cell research > Transgenic animals / plants		■		■		■■
Research > Medical research > Agriculture & aquaculture research		■	■	■		■■
Quality control > Food and beverage > Water supply > Environmental monitoring		■	■	■		■■
Forensic			■	■	■■	■

■ Recommended ■■ Highly recommended

* Increased safety due to availability of individually packaged / single-blistered products.

** For accurate details regarding resistance to centrifugation, please refer to the product individual instruction for use.

The Importance of Purity Criteria

Sterility	**Importance**
Per definition, a sterile product does not harbor any living organisms on its surface. The degree of sterilization is described by a residual probability of contamination. This probability is expressed as SAL (Sterility Assurance Level). Thus, an SAL value of 10^{-6} indicates the probability of occurrence of one non-sterile item among 10^6 (1,000,000) sterilized items.	Sterile products are required whenever the presence of germs may have a negative effect; for example, to prevent infection of samples or incorrect test results for microbiological experiments that would be caused by unsterile lab equipment.
Pyrogen-free (endotoxin-free)	**Importance**
Thermostable substances (glycoproteins) from the outer membrane of bacteria and other microorganisms can cause fever in humans and impair the growth of cell cultures.	Absence of pyrogen prevents endotoxin-based contamination in cell culture, pharmaceutical, and medical research laboratories.
Bacterial DNA-free (E. coli)	**Importance**
DNA is found in all cells of living entities, and it is the carrier of genetic information. The highly sensitive PCR technique enables the amplification of smallest amounts of DNA.	The presence of a DNA contamination could lead to false positive results for different applications involving DNA. Note: Autoclaving is not suitable for removing traces of DNA.
Human DNA-free	**Importance**
Contamination belongs to the major concerns in DNA analysis, especially when working with human DNA. The Eppendorf manufacturing plant is highly automated and monitored by staff wearing protective clothing. Furthermore, access to the production area is severely restricted, and positive air pressure prevents the intrusion of particles. The final tests for the presence of human DNA are performed by an external laboratory accredited to ISO 17025.	Contamination may lead to cross contamination of the sample or even false positive results. Even the fragment length of contaminating DNA could be important – e.g., in forensics, the relevant fragment length for DNA genotyping starts at approx. 70 bp. Therefore, the »Eppendorf Forensic DNA Grade«-consumables are tested with a highly sensitive qPCR targeting a multi copy human DNA fragment of 62 bp. This is one important aspect qualifying this purity grade for forensic DNA analysis.
DNase-free	**Importance**
DNases are enzymes which degrade DNA.	DNase contaminations can affect or even ruin DNA analysis.
RNase-free	**Importance**
RNases are enzymes that degrade RNA. These enzymes are extremely resistant, even to autoclaving and irradiation.	RNase-free products are an absolute must in the field of molecular biology because RNA is highly sensitive and can be destroyed very quickly by RNases.
ATP-free	**Importance**
ATP is a part of all living cells; therefore, its presence can indicate biological contamination.	The test procedure for the quantitative and qualitative detection of ATP is already an integral part of hygiene monitoring, e.g. in the pharmaceutical industry.
PCR inhibitor-free	**Importance**
PCR – the replication of DNA – has established itself as one of the most important and commonplace molecular biology methods used in almost all fields of life sciences where DNA is analyzed. However, there are also substances that impair this reaction, so lab products must be free of these inhibitors.	It is essential that the consumables used contain no impurities that could adversely affect PCR. This is particularly crucial if only low amounts of template DNA are available.

Eppendorf Forensic DNA Grade Consumables

The forensic DNA grade product line encompasses consumables for DNA extraction, sample processing, and PCR setup as well as sample storage. Eppendorf's high quality standards upheld during the manufacturing process represent an essential cornerstone by which the strict demands of ISO 18385 standards are met. This includes:

> A high degree of automation to minimize direct contact between staff and product
> Strict adherence to cleaning procedures and protocols minimize risk of contamination
> Positive air pressure prevents intrusion of dust

To guarantee clean conditions, the production area is closely monitored. Moreover, controls are established in accordance with specific parameters outlined in ISO 18385. For example, the surfaces in the production environment are monitored for human DNA, and lot control samples are taken at different times during the production cycle to ensure homogenous quality and purity.

Ordering information

Description	Catalog No.	Qty
Eppendorf PCR consumables		
twin.tec® PCR Plate 96, skirted, 150 µL	0030129601	10 pcs. (individually wrapped)
twin.tec® PCR Plate 96, semi-skirted, 250 µL	0030129610	10 pcs. (individually wrapped)
twin.tec® PCR Plate 384, skirted, 45 µL	0030129628	10 pcs. (individually wrapped)
twin.tec® *real-time* PCR Plate 96, skirted, 150 µL	0030129636	10 pcs. (individually wrapped)
twin.tec® *real-time* PCR Plate 96, semi-skirted, 250 µL	0030129644	10 pcs. (individually wrapped)
PCR tubes 0.2 mL	0030124707	500 pcs. (5 bags x 100 tubes)
ep Dualfilter T.I.P.S.®		
0.1–10 µL	0030078810	960 pcs. (10 racks x 96)
2–20 µL	0030078829	960 pcs. (10 racks x 96)
2–200 µL	0030078837	960 pcs. (10 racks x 96)
50–1000 µL	0030078845	960 pcs. (10 racks x 96)
Combitips advanced®		
1.0 mL	0030089855	100 pcs. (individually wrapped)
2.5 mL	0030089863	100 pcs. (individually wrapped)
5.0 mL	0030089871	100 pcs. (individually wrapped)
Eppendorf Tubes®		
Safe-Lock Tubes 0.5 mL	0030123603	500 pcs. (10 bags x 50 tubes)
Safe-Lock Tubes 1.5 mL	0030123611	500 pcs. (10 bags x 50 tubes)
Safe-Lock Tubes 2.0 mL	0030123620	500 pcs. (10 bags x 50 tubes)
5.0 mL with snap cap	0030119606	200 pcs. (4 bags x 50 tubes)
5.0 mL with screw cap	0030122402	200 pcs. (4 bags x 50 tubes)
15 mL	0030122259	100 pcs. (individually wrapped)
50 mL	0030122267	48 pcs. (individually wrapped)

Eppendorf Tubes®

Eppendorf Tubes combine all the experience from 50 years of consumables manufacturing with continuous improvement and development. Trust in the original Eppendorf Tube because your samples deserve the best treatment!

Product features

> Eppendorf Safe-Lock tubes with their hinged lid reliably prevent accidental lid opening during incubation.
> Eppendorf Flex-Tube lids are easy to open and close.
> High centrifugation resistance (up to 30,000 x *g*) prevents tube breakage.
> Precise lid sealing guarantees lowest evaporation rates during storage.
> Eppendorf Tubes 5.0 mL fill the gap between existing tube versions; enabling simple and safe processing of samples up to 5.0 mL. Available in flip-cap or screw-cap.
> Eppendorf Tubes 15 mL and 50 mL combine excellent centrifugation stability with an innovative anti-roll cap to minimize contamination risk and provide a secure seal
> Also available in Forensic DNA Grade (see page 6).
> Eppendorf Conical Tubes 25 mL and Eppendorf Conical Tubes SnapTec® 50 options are available (see pages 9 and 10, respectively).

Quality tubes should have a quality centrifuge - ask your representative for more information on the Centrifuge 5910 Ri (Catalog No. 5943000343)!

Ordering information

Description	Eppendorf Quality[1]		Light protection (amber)		Sterile[2]		PCR clean[3]		Eppendorf Biopur®[4]	
Eppendorf Tube	**Catalog No.**	**Qty**	**Catalog No.**	**Qty**	**Catalog No.**	**Qty**	**Catalog No.**	**Qty**	**Catalog No.**	**Qty**
Flex-Tube 1.5 mL	022364111	500	022363514	500	N/A		022364120	500	N/A	
Safe-Lock Tube 0.5 mL	022363611	500	022363638	500	N/A		022363719	500	022600001	50
Safe-Lock Tube 1.5 mL	022363204	500	022363221	500	N/A		022363212	500	022600028	100
Safe-Lock Tube 2.0 mL	022363352	500	022363379	500	N/A		022363344	500	022600044	100
Eppendorf Tube 5.0 mL	0030119401	200	0030119452	200	0030119487	200	0030119460	200	0030119479	50
Eppendorf Tubes 5.0 mL, with screw cap	0030122305	200			0030122321*	200	0030122313	200		
Eppendorf Tube 15 mL			0030122194	200	0030122151*	500				
Eppendorf Tubes, 15 mL, racked					0030122160*	500				
Eppendorf Tube 50 mL			0030122224	200	0030122178*	500				
Eppendorf Tubes, 50 mL, racked					0030122186*	300				

[1] Also available in assorted colors. [2] Batch-certified sterile and pyrogen-free. [3] Batch-certified free from DNA, DNase, RNase, and PCR inhibitors. [4] Batch-certified sterile and free from DNA, DNase, RNase, PCR inhibitors, ATP and pyrogens/endotoxins. Individually packaged. *Batch certified: Sterile, pyrogen-, DNase-, RNase- and DNA-free.

Eppendorf Tubes® BioBased

About bio-based polymers

> Fossil raw material is saved by replacing it with sustainable raw material produced from bio-based waste and residues (2nd-generation renewable feedstock).
> The raw materials used to produce the renewable feedstock can be back traced to the first collection points and the origin of the renewable raw materials from carefully selected suppliers committed to sustainability is assured.
> The final polymers are sustainability certified by ISCC PLUS – the reliable global-leading certification scheme for manufacturers producing bio-based polymers and their further processing.

There has been an increased focus on sustainable practices in laboratories, including reducing the environmental impact of laboratory products. To respond to this need, Eppendorf offers this generation of tubes (with screw caps) in 5.0 mL, 15 mL, 25 mL, and 50 mL that are made of a certified polypropylene based on renewable reused raw materials. Eppendorf Tubes BioBased offer a sustainable solution for laboratories without compromising on quality.

Product features

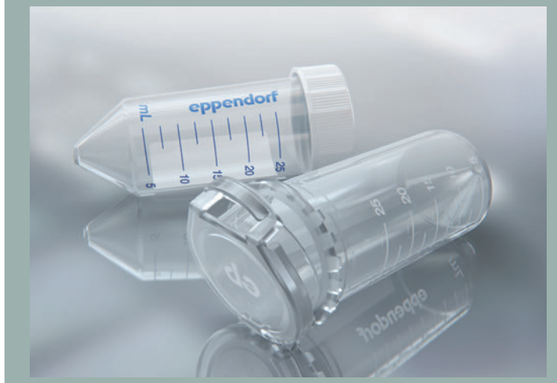
> Tubes* are made from at least 90% renewable-based feedstock (recycled, e.g., from food oil wastes and residues) plus max.10% fossil-based feedstock (applying ISCC mass balance approach).
> Same high-quality standards as traditional tubes.
> Resistant to chemicals, heat, and centrifugation.
> Clear and smooth surfaces for easy sample visualization and labeling.
> Reduce the carbon footprint of laboratories and contribute to a more sustainable future.
> Eppendorf Production Center in Oldenburg, Germany complies with the requirements of the certification system ISCC PLUS (International Sustainability & Carbon Certification).
> ACT labeled (Accountability, Consistency, Transparency) – Environmental Impact Factor Certification initiated by My Green Lab®.

Ordering information

Description	
Eppendorf Tube	**Catalog No.**
Eppendorf Tubes BioBased 5.0 mL with screw cap, Sterile, 200 pcs. (2 bags x 100 tubes)	0030 122 518
Eppendorf Tubes BioBased 15 mL with screw cap, Sterile, 500 pcs. (10 bags x 50 tubes)	0030 122 526
Eppendorf Tubes BioBased 25 mL with screw cap, Sterile, 200 pcs. (8 bags x 25 tubes)	0030 122 534
Eppendorf Tubes BioBased 50 mL with screw cap, Sterile, 500 pcs. (20 bags x 25 tubes)	0030 122 542

www.eppendorf.com/BioBased

Eppendorf Conical Tubes 25 mL



Very often sample volumes higher than 15 mL but much lower than 50 mL need to be prepared, centrifuged, mixed, or stored. The 25 mL tubes are available with screw caps and SnapTec® caps. The innovative SnapTec caps lets you easily snap the caps open or close single-handedly.

Product features

> Same diameter as the 50 mL conical tube but is shorter. Thus, the insertion depth of the pipette into the tube is much lower, eliminating that risk of cross contamination.
> Shorter tube design saves more than 20% storage space in freezer boxes and racks.
> High centrifugation stability up to 17,000 x *g*.
> Reliable snap cap variant available for single-handed operation ensuring a tight seal.
> Screw cap variant also available.
> Both screw cap and snap cap variants available in Eppendorf Quality, PCR Clean, Sterile purity grades, and LoBind® format.

Quality tubes should have a quality centrifuge — ask your representative for more information!

Ordering information

Description	Eppendorf Quality		PCR clean		Sterile[1]	
Eppendorf Tube	**Catalog No.**	**Qty**	**Catalog No.**	**Qty**	**Catalog No.**	**Qty**
25 mL with snap cap, colorless	0030118405	200	0030118413	200	0030118421	150
25 mL with screw cap, colorless	0030122410	200	0030122429	200	0030122437	200
DNA LoBind®, 25 mL with screw cap, colorless			0030122275	200		
Protein LoBind®, 25 mL with screw cap, colorless			0030122283	200		
25 mL with SnapTec cap, colorless	0030118405	200	0030118413	200	0030118421	150
25 mL with SnapTec cap, amber					0030118430	150
25 mL with screw cap, amber					0030122445	200
DNA LoBind®, 25 mL with SnapTec cap, colorless			0030108523	200		
Protein LoBind®, 25 mL with SnapTec cap, colorless			0030108531	200		

[1] Sterile, pyrogen-, DNase-, RNase-, and DNA-free.

Eppendorf LoBind® Tubes

Quality tubes should have a quality centrifuge — ask your representative for more information!

When biological samples are stored or incubated in standard reaction vessels more than 90% of the sample material can be lost within 24 hours due to adsorption to the plastic surface. Eppendorf LoBind tubes guarantee maximum sample recovery for improved assay results by reducing the interaction of the sample molecules.

DNA LoBind
> Ideal for use with precious or low concentrations of DNA or RNA samples in forensic analysis, qPCR, microarrays, and next generation sequencing.
> Excellent for use in creating or storing genomic or oligonucleotide libraries.
> Free of surface coating (e.g., silicone) to minimize the risk of sample interference.
> Available in tube, microplate, and deepwell plate formats for easy up-scaling.

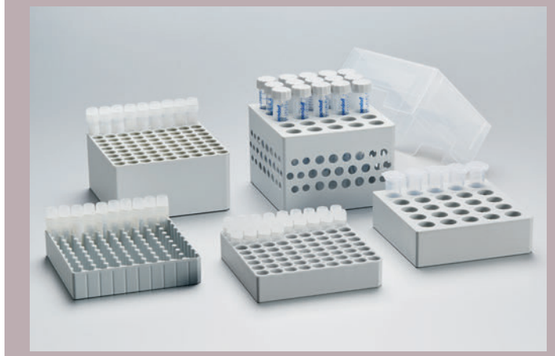
Protein LoBind
> Ideal for preparation and storage of protein, peptide, antibody, or virus samples.
> Excellent for enzymatic assays—the hydrophilic surface reduces the denaturation when it comes into contact with the tube wall.
> Free of surface coating (i.e., silicone) to minimize the risk of sample interference.
> Available in tube, microplate, and deepwell plate formats for easy up-scaling.

Ordering information

Description	DNA LoBind®[1] Catalog No.	Qty	Protein LoBind®[1] Catalog No.	Qty
Eppendorf Tube				
Safe-Lock Tube 0.5 mL	022431005	250	022431064	100
Safe-Lock Tube 1.5 mL	022431021	250	022431081	100
Safe-Lock Tube 2.0 mL	022431048	250	022431102	100
Eppendorf Tube 5.0 mL	0030108310	200	0030108302	100
Eppendorf Conical Tubes, 15 mL	0030122208	500	0030122216	200
Eppendorf Conical Tubes, 50 mL	0030122232	500	0030122240	200
Eppendorf LoBind® Tubes, 25 mL with screw cap, PCR clean, colorless	0030122275	200	0030122283	200
Eppendorf LoBind® Tubes, 5 mL with screw cap, PCR clean, colorless	0030122348	200	0030122356	200
Eppendorf LoBind® Tubes, 5 mL with snap cap, PCR clean, colorless	0030108310	200	0030108302	100
Eppendorf LoBind® Tubes, 25 mL with SnapTec® cap, PCR clean, colorless	0030108523	200		

[1] PCR clean: Batch-certified free from DNA, DNase, RNase, and PCR inhibitors.

Storage Boxes



Important samples require premium freezer solutions. For more information on the Eppendorf CryoCube ULT freezers consult your sales representative!

Eppendorf storage boxes and tube racks are ideal for organizing and safely storing samples. Storage boxes are available in a variety of both wax-coated cardboard formats and polypropylene formats for storage of small cryovials up to 50 mL conical tubes. Tube racks help easily organize your tubes while working on the lab bench and are available for 1.5 mL tubes to 5.0 and 15 mL tubes.

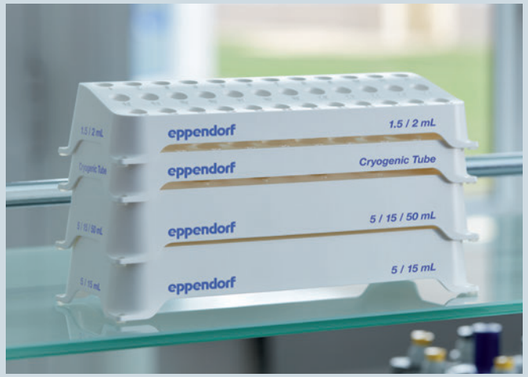
Polypropylene Box
> Made of polypropylene (PP) for high stability in freezing applications and a smooth opening and closing.
> For freezing to –86 °C.
> High-contrast permanent alphanumeric marking of each location through laser labeling enables easy sample reference and minimizes risk of sample mix-up.
> Autoclavable (121 °C, 20 min).
> Transparent lid for easy and fast sample inspection.
> Flexible and reliable labeling on the light-colored box and on the 5 writing areas of the lid.
> Optimal use of freezer space due to flexible. combination of the different formats.

Cardboard Box and Dividers
> White cardboard box with water resistant coating, designed to withstand ultra-low temperature.
> Available in a variety of sizes.

Ordering information

Description		Catalog No.		
Tube Type	**Tube capacity**	**Cardboard box**	**Divider**	**Polypropylene box**
Cryogenic Tubes (11.8 mm diameter)	100	B50-SQ	D100	0030140508
Screw Cap (cryo.) Tubes 1–2 mL (13 mm diameter)	81	B50-SQ	D81	0030140516
Screw Cap (cryo.) Tubes 3 mL (13 mm diameter)	81	B75-SQ	D81	0030140540
Screw Cap (cryo.) Tubes 4–5 mL (13 mm diameter)	81	B95-SQ	D81	0030140567
Tubes 1.5/2.0 mL (15 mm diameter)	64	B50-SQ	D64	0030140524
5 mL Safe-Lock Eppendorf Tubes (17 mm diameter)	25			0030140532
5 mL Screw Cap Tubes (17 mm diameter)	25			0030140613
15 mL Conical Tubes (18 mm diameter)	25			0030140583
50 mL Conical Tubes (30 mm diameter)	9			0030140591

Tube Racks



Almost all laboratory protocols require efficient and reliable processing, transport, and short-term storage of sample vessels in benchtop racks. The new Eppendorf Tube and Cuvette Racks combine optimized functionality and high robustness with an attractive design. Six different formats offer the optimal solution and perfect fit for all tubes and cuvettes commonly used in laboratories.

Product features

> All racks are stackable to save precious space when not in use.
> Made from high quality polypropylene, and thus:
  – Ensuring dimensional stability across a broad temperature range (–86 °C to 121 °C)
  – Providing chemical resistance
  – Fully autoclavable
  – Laboratory dishwasher safe
> Non-slip silicone feet and a tilt-proof footprint design ensure safe handling.
> Anti-rotation structure of the Cryogenic Tube Rack fits all commonly used cryotubes and enables one-hand operation.
> The 1.5–50 mL Tube Racks accommodate different tube formats on the same rack.

Ordering information

Description	Tube Capacity	Quantity	Catalog No.
Vessel Type			
0.5 mL Tubes	48	2	0030119800
1.5 mL/2.0 mL Tubes	36	2	0030119819
5.0 mL/15 mL Tubes	12	2	0030119827
5.0/15/50 mL Tubes	12	2	0030119835
Cryogenic Tubes	36	2	0030119843
Cuvettes	30	2	0030119851

Barcoded Consumables

The SafeCode Barcoded System

Sample misidentification is a risk for reliable science.

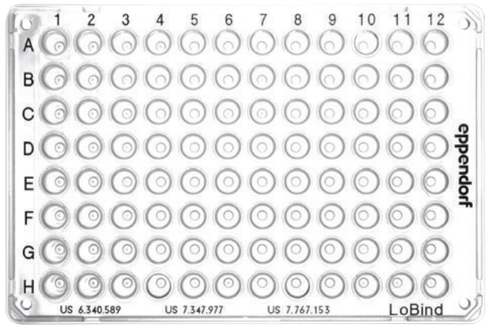
The Eppendorf SafeCode concept is based on pre-labeled tubes and vials with Eppendorf unique datamatrix codes. By using the RackScan reader, a handheld barcode scanner, or a mobile device, the code can be read and transferred to downstream databases. Based on the code, you can receive all relevant related information from the Eppendorf Dataport to keep your work in compliance. This includes lot-numbers, order numbers, certificates, and more.

Additional features:

> Pre-labeled, off-the-shelf consumables for immediate use
> Store all relevant experimental data for easy documentation
> Reliable long-term labels for safe, sample ID

Scan the code for more information or visit us at:
eppendorf.com/us-en/eShop-Products/Cold-Storage/Barcode-Systems-c-WebPSub-H-3583234

Eppendorf LoBind® Plates



When biological samples are stored or incubated in standard reaction vessels more than 90 % of the sample material can be lost within 24 hours due to adsorption to the plastic surface. Eppendorf LoBind plates guarantee maximum sample recovery for improved assay results by reducing the interaction of the sample molecules.

DNA LoBind
> Ideal for use with precious or low concentrations of DNA or RNA samples in forensic analysis, qPCR, microarrays, and next generation sequencing
> Excellent for use in creating or storing genomic or oligonucleotide libraries.
> Free of surface coating (i.e., silicone) to minimize the risk of sample interference.

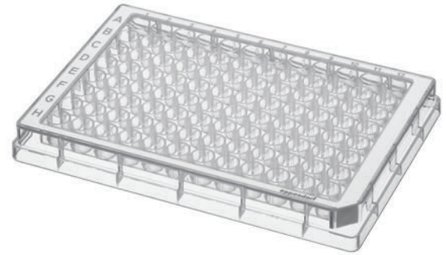
Protein LoBind
> Ideal for preparation and storage of protein, peptide, antibody, or virus samples.
> Excellent for enzymatic assays—the hydrophilic surface reduces the denaturation when it comes into contact with the tube wall.
> Free of surface coating (i.e., silicone) to minimize the risk of sample interference.

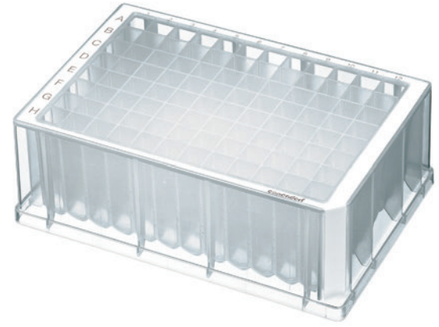
Ordering information

						DNA LoBind[1]		Protein LoBind[1]	
Description	**Plate style**	**Max. volume**	**Recommended working volume**	**Bottom shape**	**OptiTrack frame color**	**Catalog No.**	**Qty**	**Catalog No.**	**Qty**
Eppendorf Plate®									
96/2000	DWP	2,400 µL	50–2,000 µL	conical (V)	white			0030504305	20
96/1000	DWP	1,200 µL	30–1,000 µL	conical (V)	white	951032808	20	951032905	20
96/500	DWP	700 µL	30–550 µL	conical (V)	white	951032000	40	951032107	40
96/300	MTP	400 µL	20–300 µL	conical (V)	white	0030603303	80	N/A	
384/200	DWP	240 µL	20–225 µL	conical (V)	white	951031208	40	951031305	40
384/120	MTP	140 µL	10–120 µL	conical (V)	white	951040546	80	951040589	80
Eppendorf twin.tec® PCR Plate									
96-well, semi-skirted	PCR	250 µL	10–250 µL		clear			0030129504	25
96-well, skirted	PCR	150 µL	10–150 µL		clear			0030129512	25
384-well, skirted	PCR	40 µL	2–40 µL		clear			0030129547	25

1 PCR clean: Batch-certified free from DNA, DNase, RNase, and PCR inhibitors.

Eppendorf Microplates and Deepwell Plates





Eppendorf plates are designed for optimal performance across all manual and automated applications—from sample storage at –86 °C to DNA denaturation at 100 °C. The storage and reaction plates are made from virgin polypropylene (PP) for high mechanical, temperature, and chemical stability.

Product features
> Unique OptiTrack® labeling: 30 % faster well identification and less pipetting errors due to colored border with high-contrast alphanumeric labeling.
> Maximum sample recovery and minimal “wicking effects” — a common source for cross-contamination — due to RecoverMax® well-design.
> Raised well rims and even surface for reliable sealing.
> No well nesting for easy stacking of sealed plates.
> Rigid, warp-resistant design, outstanding dimensional accuracy and high well-to-well homogeneity makes these plates perfect for automation.
> Available with custom barcode (see p.13).

Eppendorf plates work well with an EpMotion® automated liquid handling system - for more information, please contact your Eppendorf representative!

Ordering information

						PCR clean[1]		Sterile[2]	
Description	**Plate style**	**Max. volume**	**Recommended working volume**	**Bottom shape**	**OptiTrack frame color**	**Catalog No.**	**Qty**	**Catalog No.**	**Qty**
96-well plates									
96/2000	DWP	2,400 µL	50–2,000 µL	conical (V)	white	951033405	20	951033502	20
96/1000	DWP	1,200 µL	30–1,000 µL	conical (V)	white	951032603	20	951032701	20
96/500	DWP	700 µL	30–550 µL	conical (V)	white	951031801	40	951031909	40
96/350	MTP	400 µL	50–350 µL	flat (F)	white	951040005	80	951040021	80
96/320	MTP	360 µL	20–320 µL	round (U)	white	951040048	80	951040081	80
96/300	MTP	350 µL	20–300 µL	conical (V)	white	951040188	80	951040227	80
384-well plates									
384/200	DWP	240 µL	20–225 µL	conical (V)	white	951031003	40	951031101	40
384/120	MTP	150 µL	10–120 µL	flat (F)	white	951040341	80	951040383	80
384/120	MTP	140 µL	5–120 µL	conical (V)	white	951040421	80	951040464	80

1 PCR clean: Batch-certified free from DNA, DNase, RNase, and PCR inhibitors.
2 Sterile: Batch-certified sterile.

Eppendorf Plates — Assay/Reader Plates

Eppendorf assay and reader plates are optimized for measuring fluorescence and chemiluminescence assays in top-reading plate readers.

Product features
> Opaque design prevents well-to-well crosstalk
> Plates are manufactured from polypropylene and provide the same features as the Storage / Reaction plates
> Available with custom barcode (see p.13)

Black wells
> Ideal for fluorescence detection. They offer an excellent signal-to-noise ratio—for clear signals even with low concentration samples

White wells
> Optimized for highest sensitivity in the detection of luminescence or weak fluorescence signals by maximizing reflectance

Eppendorf epMotion® 96 is an electronic pipette for fast and precise pipetting of liquids in 96- and 384-well plates from 0.5 µL to 1,000 µL.

Ordering information

						PCR clean[1]	
Description	**Plate style**	**Max. volume**	**Recommended working volume**	**Bottom shape**	**OptiTrack frame color**	**Catalog No.**	**Qty**
White wells							
96/350	MTP	400 µL	50–350 µL	flat (F)	gray	951040137	80
96/320	MTP	360 µL	20–320 µL	round (U)	gray	951040145	80
96/300	MTP	350 µL	20–300 µL	conical (V)	gray	951040308	80
384/120	MTP	140 µL	5–120 µL	conical (V)	gray	951040503	80
Black wells							
96/350	MTP	400 µL	50–350 µL	flat (F)	white	951040196	80
96/320	MTP	360 µL	20–320 µL	round (U)	white	951040102	80
96/300	MTP	350 µL	20–300 µL	conical (V)	white	951040260	80
384/120	MTP	140 µL	5–120 µL	conical (V)	white	951040481	80

1 PCR clean: Batch-certified free from DNA, DNase, RNase, and PCR inhibitors.

twin.tec® PCR Plates

The quality and reproducibility of your PCR results can be significantly influenced by the choice of consumables. Eppendorf twin.tec PCR plates combine extremely thin-walled polypropylene wells for optimal heat transfer with an extremely robust polycarbonate frame for ultimate rigidity and torque-resistance.

Product features
> Available in skirted, semi-skirted, and unskirted formats to fit all common thermal cyclers.
> Divisible plates that can be snapped into four separate 24-well segments.
> Raised well rims reduce risk of cross-contamination and allow for effective sealing.
> Eppendorf microbiology PCR plates provide the ideal solution for microbiome research ensuring the absence of bacterial DNA.
> Custom barcode available for skirted and semi-skirted formats.
> Also available in Forensic DNA Grade (see page 6).

Works perfectly with Eppendorf Mastercycler® X50 — for more information, consult your Eppendorf representative!

Ordering information

			PCR clean[1]		Microbiology[2]	
Description	**Max. volume**	**Well color**	**Catalog No.**	**Qty**	**Catalog No.**	**Qty**
twin.tec® PCR Plates 96-well plates						
skirted (clear)	150 µL	clear	0030129768	25		
skirted (crystal blue)	150 µL	clear	0030129776	25		
skirted (fuchsia)	150 µL	clear	0030129784	20		
twin.tec® PCR Plates 96-well plates (clear frame)						
skirted	150 µL	clear	951020401	25	0030129300	10
semi-skirted	250 µL	clear	951020303	25	0030129326	10
unskirted	250 µL	clear	0030133366	20		
unskirted, divisible	250 µL	clear	0030133374	20		
unskirted, low profile	150 µL	clear	0030133307	20		
unskirted, low profile, divisible	150 µL	clear	0030133358	20		
twin.tec® PCR Plates 384-well plates (clear frame)						
skirted	40 µL	clear	951020702	25	0030129342	10
twin.tec® PCR Plates 96-well LoBind						
skirted	150 µL	clear	0030129512	25		
semi-skirted	250 µL	clear	0030129504	25		
twin.tec® PCR Plates 384-well LoBind						
skirted	40 µL	clear	0030129547	25		

1 PCR clean: Batch-certified free from DNA, DNase, RNase, and PCR inhibitors.
2 Microbiology: Batch-certified free from DNA, bacterial DNA, DNase, RNase, and PCR inhibitors. Sterile and individually packaged.

twin.tec® *real-time* PCR Consumables

The quality and reproducibility of your PCR results can be significantly influenced by the choice of consumables. Eppendorf twin.tec PCR plates combine extremely thin-walled polypropylene wells for optimal heat transfer with an extremely robust polycarbonate frame for ultimate rigidity and torque-resistance.

Product features
> Available in skirted, semi-skirted, unskirted formats to fit all common thermal cyclers.
> Real-time/qPCR plates featuring white wells amplify fluorescence signal intensity, enabling reduced reaction volumes and increased sensitivity, while also eliminating background noise for reliable results.
> Raised well rims reduce the risk of cross contamination and allow for effective sealing.
> Also available in Forensic DNA Grade (see page 6).

twin.tec Trace PCR Plates
> OptiTrack® matrix and optical guiding grid for effortless well orientation.
> Laser-engraved lot numbers for enhanced traceability.
> Available vibrant fuchsia, crystal blue and transparent.
> Custom barcode versions available.

twin.tec Trace PCR Plates BioBased
> Crafted from biobased renewable resources.
> Identical technical performance to our non-BioBased plates.
> OptiTrack matrix and optical guiding grid for effortless well orientation.
> Laser-engraved lot numbers for enhanced traceability
> Available in spring green and transparent.
> Custom barcode versions available.

Ordering information

				PCR clean[1]
Description	**Max. volume**	**Well/Tube color**	**Catalog No.**	**Qty**
***real-time* PCR tubes and caps**				
real-time PCR 8-tube strips, without caps	100 µL	white	951022102	120
real-time PCR 8-tube strips, including Masterclear® cap strips	100 µL	white	951022109	120
Cap strip, 8-cap strip, Masterclear®			951022089	120
twin.tec *real-time* PCR plates 96-well (white frame)				
skirted	150 µL	white	951022015	25
semi-skirted	250 µL	white	951022055	25
unskirted, low profile	150 µL	white	0030132700	25
Sealing option				
Eppendorf Masterclear® film for optical assays, self-adhesive			951022115	100

1 PCR clean: Batch-certified free from DNA, DNase, RNase, and PCR inhibitors.

Plate Sealing Options

Eppendorf Heat Sealers are the ideal match for our heat sealing films and foils. For more information, please contact your local Eppendorf representative.

Eppendorf provides a range of high-performance sealing options suitable for a wide array of applications—whether it's for incubation and storage, colorimetric ELISA, fluorescence and luminescence assays, sample processing and cell culture, or PCR and qPCR amplification.

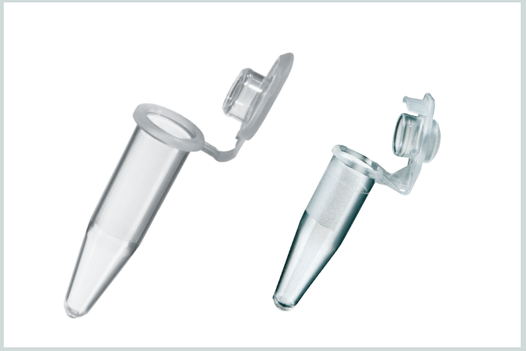
Product features
> Eppendorf Storage Film/Foil provides maximum adhesive strength for reliable sealing and evaporation protection during storage and experimental reactions.
> Eppendorf PCR Film/Foil employs heat-activated glue, delivering robust adhesive-strength at PCR temperatures to prevent evaporation, while exhibiting gentle adhesive strength at room temperature for effortless seal positioning and removal.
> Masterclear® Film is an optically clear film suitable for all optical assays in the UV and VIS light range.
> Sealing mats are effortlessly applied without requiring additional equipment and can be conveniently reused after cleaning and autoclaving, making them suitable for sterile applications.

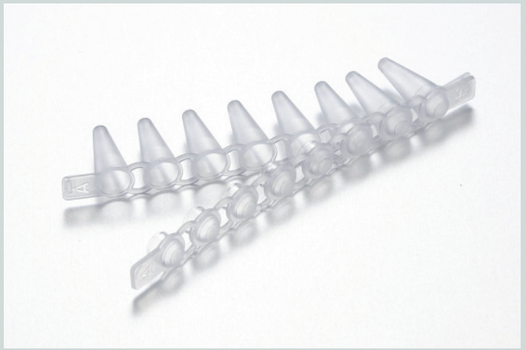
Ordering information

Description	**Purity**	**Catalog No.**	**Qty**
Heat sealing options			
Eppendorf Heat Sealing Film	PCR clean[1]	0030127838	100
Eppendorf Heat Sealing Foil	PCR clean[1]	0030127854	100
Heat Sealer S100[2]		5391000010	1
Heat Sealer S200[2]		5392000013	1
Adhesive seals			
Eppendorf Storage Film, self-adhesive	PCR clean[1]	0030127870	100
Eppendorf Storage Foil, self-adhesive	PCR clean[1]	0030127889	100
Eppendorf PCR Film, self-adhesive	PCR clean[1]	0030127781	100
Eppendorf PCR Foil, self-adhesive, 100 pcs.	PCR clean[1]	0030127790	100
Eppendorf Masterclear® Film for optical assays, self-adhesive	PCR clean[1]	0030132947	100
Sealing mats			
Eppendorf Sealing Mat, for DWP 96/2000	PCR clean[1]	0030127960	50
Eppendorf Sealing Mat, for DWP 96/1000, 96/500 and MTP 96	PCR clean[1]	0030127978	50
Lids			
Eppendorf Plate lid, for storage and assay plates	PCR clean[1]	0030131517	80
Eppendorf Plate lid, for storage and assay plates	Sterile[3]	0030131525	80

1 PCR clean: Batch-certified free from DNA, DNase, RNase, and PCR inhibitors.
2 Adapters available for different plate sizes.
3 Sterile: Batch-certified sterile.

PCR Tubes and Strips





Eppendorf thin-walled polypropylene tubes ensure efficient and homogeneous heat transfer to the sample due to their even wall thickness and smooth wall surface. Available in 3 different formats:

0.5 mL tubes
> Space-saving lid design to allow loading of all thermoblock positions

0.2 mL tubes / 8-tube strips
> Domed lid with unique “contamination shield” to minimize the risk of touching the inner lid surface
> Also available in Forensic DNA Grade (see page 6)

0.1 mL 8-tube strips
> 0.1 mL size ideal for low- volume PCR
> Sealable using either flat or dome strip caps
> Fast PCR tube strip variant leads to increased yield and increased speed when paired with a Fast PCR Taq

Ideal match with our Eppendorf Mastercycler® nexus X2 PCR thermal cyclers. Ask your Eppendorf representative for more information.

Ordering information

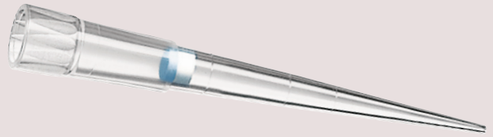
Description	Tube color	PCR clean[1] Catalog No.	Qty
0.5 mL Eppendorf PCR Tubes			
PCR Tube 0.5 mL	clear	0030124537	500
0.2 mL Eppendorf PCR Tubes			
PCR Tube 0.2 mL	clear	951010006	1,000
PCR 8-tube strip 0.2 mL, with domed cap	clear	951010022	120
0.1 mL Eppendorf PCR Tubes			
PCR 8-tube strips 0.1 mL, without lids	clear	0030124804	120
PCR 8-tube strips 0.1 mL, including Cap Strips (domed lid)	clear	0030124812	120
PCR 8-tube strips 0.1 mL, including Cap Strips (flat lid)	clear	0030124820	120
0.1 mL Eppendorf FAST PCR Tube Strips			
FAST PCR 8-tube Strips 0.1 mL without lids	clear	0030124901	120
FAST PCR 8-tube Strips 0.1 mL, including Cap Strips (domed lid)	clear	0030124928	120
FAST PCR 8-tube Strips 0.1 mL, including Cap Strips (flat lid)	clear	0030124910	120
Cap Strips (for 0.1 mL PCR tube strips and twin.tec 96-well plates)			
Cap Strip, 8-cap strip, domed lid	N/A	0030124839	120
Cap Strip, 8-cap strip, flat lid	N/A	0030124847	120
PCR Consumable Accessories			
PCR Rack	N/A	0030124545	10

1 PCR clean: Batch-certified free from DNA, DNase, RNase, and PCR inhibitors.

The Importance of Good Quality Pipette Tips

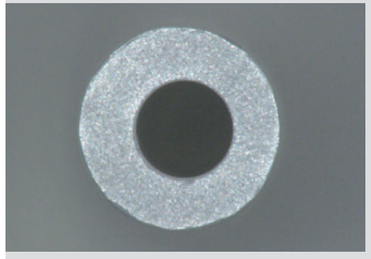
The scientific community is facing a growing issue with non-reproducible studies, often linked to pipetting errors. Misuse of pipettes, such as angling them during liquid aspiration, is one cause. Another critical yet overlooked factor is the quality of plastics used in consumables, like pipette tips. Problems like leachables or incorrect pipetting volumes can lead to irreproducible results, especially when experiments are replicated using different consumables. Common issues with pipette tips include:

> Needing excessive force to attach tips to the pipette cone.
> Banana-shaped tips complicating multichannel pipetting.
> Difficulty pipetting volumes below 1 µL due to liquid sticking to the tip's exterior.

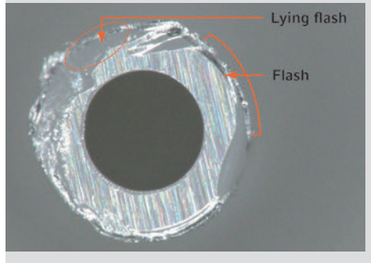


However, like an iceberg's hidden mass, other pipette tip issues often go unnoticed, affecting accuracy and reproducibility. These include inconsistent tip uniformity and the impact of external factors like sterilization methods.

The quality of the tip orifice is especially crucial for small volume pipetting, influencing the precision of the drop cut-off. For instance, poor quality tips, like those from competitor E, which failed 1 µL calibration, show defects causing water drop deflection, liquid displacement, and retention. For detailed information, refer to Application Note 354.



epT.I.P.S.® 10 µL
The orifice has a good geometry and the function is not negatively influenced by production errors.



Competitor E 10 µL
Problem 1: Lying flashes caused by non-harmonized ejection molding process; Cavity has not been fully filled with liquid PP.
Result: Risk of deflection of water drop because of varying diameter of frontal area.

Liquid Handling Consumables Packaging

Eppendorf provides a variety of pipette tip packaging and storage solutions to meet different lab requirements. Options include boxes, sets, racks, reloads, bags, and individually wrapped tips, each designed for convenience, efficient storage, and contamination prevention. These formats ensure easy access and adaptability to various workflows, allowing seamless integration into any laboratory environment.

Here is an overview of the packaging formats:

Set - Reusable Box 2.0 & 5 reload trays

Box - Reusable Box 2.0 & 96 pipette tips

Racks - Disposable boxes and racks of pipette tips

Reloads - Tip trays for refilling Box 2.0

Standard/Bulk - Tips in resealable bags

Singles - Individually wrapped pipette tips

Eppendorf has made reducing plastic consumption and transitioning to clean energy a top priority, demonstrating its commitment to fostering more sustainable labs and promoting environmentally responsible practices.

Box 2.0

> Redesign: The epT.I.P.S.® Box, now Box 2.0, features ergonomic and safety enhancements.

> Features: Fully enclosed to prevent contamination, a transparent, non-slip lid with silicone feet, and a light touch button for easy opening.

> Sizes: Comes in three sizes, fitting 10 µL to 5 mL epT.I.P.S. pipette tips.

See the Box 2.0 in action at eppendorf.group/frq66e

Reloads

> Eco-Friendly: Reusable boxes with reloads reduce waste compared to single-use racks.

> Design: Contact-free transfer to Box 2.0, ensuring contamination-free handling.

> Purity Grades: Available in Eppendorf Quality, PCR clean, and now in PCR clean & sterile, and Biopur purity grades with new epT.I.P.S. BioBased Sterile Reloads.

> BioBased Reloads: Made from 90% recycled, plant-based material, available in filtered and unfiltered options.

Watch how to reload Box 2.0: eppendorf.group/fjdyho

Racks

> Safety and Sustainability: Disposable pipette tip racks designed for safety with reduced plastic use.

> Features: 20%-35% less polypropylene, slim design, lockable lid, optimized stackability, and easy tip identification.

See what's new eppendorf.group/2fur4e

epT.I.P.S.® Biobased Reloads

Eppendorf's epT.I.P.S. BioBased Reloads are a key part of its green initiative, offering eco-friendly pipette tips made from 90% recycled plant-based materials, primarily food oil waste. These reloads, which save up to 54% plastic compared to conventional disposable racks, are the first to provide sterility in PCR clean/sterile and Biopur purity grades. They are particularly suited for molecular biology, microbiology, and other fields where sterile conditions and high purity are essential.

> **Guaranteed Sterility**
Available in PCR clean & sterile and Biopur purity grades.

> **Eco-Friendly Material**
Comprised of at least 90% renewable food oil waste.

> **Reduces Plastic Waste**
Cuts plastic use by up to 54% compared to disposable racks.

> **High Performance**
Ensures consistent reliability and quality, matching traditional products.

> **Sustainability Certification**
Made from ISCC PLUS certified biobased polymer.

> **Variety**
Available in epT.I.P.S. BioBased Biopur, ep Dualfilter T.I.P.S. BioBased PCR clean and sterile, and ep Dualfilter T.I.P.S. SealMax BioBased Biopur.

> **Designed for epT.I.P.S. Box 2.0**
Ensures seamless integration into lab workflows.

To learn more, visit us at eppendorf.com/us-en/lab-academy/lab-solutions/eppendorf-consumables-biobased/

Description			epT.I.P.S.® BioBased Reloads		ep Dualfilter T.I.P.S.® BioBased Reloads		ep Dualfilter T.I.P.S.® SealMax BioBased Reloads	
Purity			Biopur®		PCR Clean and Sterile		Biopur®	
Volume Range	Color	Length	Catalog No.	Qty	Catalog No.	Qty	Catalog No.	Qty
0.1 – 10 µL (M)		40 mm			0030081030	960 tips (10 trays × 96 tips)		
0.1 – 20 µL (M)		40 mm	0030075420	480 tips (5 trays × 96 tips)				
0.5 – 20 µL (L) Elongated		46 mm			0030081048	960 tips (10 trays × 96 tips)	0030081234	960 tips (10 trays × 96 tips)
2 – 20 µL		53 mm			0030081056	960 tips (10 trays × 96 tips)		
2 – 100 µL		53 mm			0030081064	960 tips (10 trays × 96 tips)	0030081242	960 tips (10 trays × 96 tips)
2 – 200 µL		53 mm	0030075439	480 tips (5 trays × 96 tips)	0030081072	960 tips (10 trays × 96 tips)	0030081250	960 tips (10 trays × 96 tips)
20 – 300 µL		55 mm	0030075447	480 tips (5 trays × 96 tips)	0030081080	960 tips (10 trays × 96 tips)	0030081269	960 tips (10 trays × 96 tips)
50 – 1,000 µL		71 mm	0030075455	480 tips (5 trays × 96 tips)	0030081099	960 tips (10 trays × 96 tips)	0030081277	960 tips (10 trays × 96 tips)
50 – 1,250 µL		76 mm	0030075463	480 tips (5 trays × 96 tips)				
50 – 1,250 µL (L) Elongated		103 mm	0030075471	480 tips (5 trays × 96 tips)	0030081102	960 tips (10 trays × 96 tips)		

epT.I.P.S.® 384 and ep Dualfilter T.I.P.S.® 384

Enhance your 384-well plate pipetting with Eppendorf's epT.I.P.S. 384 and ep Dualfilter T.I.P.S. 384 filter pipette tips. Specifically designed for Eppendorf Research® plus, Eppendorf Xplorer® plus 16/24-channel, and Move It® adjustable tip spacing pipettes, these tips incorporate SOFTattach technology for precise, effortless pipetting with superior alignment and seal.

Product features

> Eliminate tedious alternate well pipetting with traditional 8- or 12-channel pipettes.
> Simultaneously start 16 or 24 reactions for consistent conditions.
> Minimize well misidentification and experiment repetition.
> Increase efficiency: process one 384-well plate instead of four 96-well plates, cutting pipetting steps by 50%.
> Assured tip fit and tightness.
> Smooth and uniform tip attachment.
> 40% lower tip attachment force per cone compared to 8- and 12-channel pipettes.

SOFTattach technology keeps the epT.I.P.S. 384 perfectly sealed and aligned on the Research plus and Xplorer plus 16- and 24-channel pipettes.

Ordering information

	epT.I.P.S.® 384		epT.I.P.S.® 384				ep Dualfilter T.I.P.S.® 384	
Packaging	**Set**		**Reloads**				**Racks**	
	Eppendorf Quality		**Eppendorf Quality**		**PCR Clean**		**PCR Clean + Sterile**	
Description	**Catalog No.**	**Qty**	**Catalog No.**	**Qty**	**Catalog No.**	**Qty**	**Catalog No.**	**Qty**
Volume Range								
0.1–20 µL, rose, 42 mm	0030076273	1,920 tips (5 trays × 384 tips), 1 reusable box	0030076044	3,840 tips (10 trays × 384 tips)	0030076001	3,840 tips (10 trays × 384 tips)	0030078853	3,840 tips (10 racks × 384 tips)
0.5–100 µL, light yellow, 53 mm	0030076281	1,920 tips (5 trays × 384 tips), 1 reusable box	0030076052	3,840 tips (10 trays × 384 tips)	0030076010	3,840 tips (10 trays × 384 tips)	0030078861	3,840 tips (10 racks × 384 tips)

Eppendorf Serological Pipets

Eppendorf serological pipettes offer superior quality and unrivaled accuracy. With easy-to-read graduations and ultra-clear plastic, you can aspirate and dispense liquids confidently. All of our serological pipettes are compatible with all mechanical and electronic pipette controllers - including our trusted Pipet Helper® or Easypet® 3.

Product features

> Individually wrapped.
> Clear and precise graduations for easy meniscus determination.
> Color-coding for easy identification of desired volume
> Sterility assurance level of 10^{-6}.
> High density filter prevents contamination of the sample and the pipet.
> Certified absences of detectable pyrogens, DNA, RNase and DNase.
> Certified non-cytotoxic.

Eppendorf Easypet 3 and serological pipets are a perfect match for all your pipetting needs — for more information, please consult your Eppendorf representative!

Ordering information

Description			
Serological pipets, individually wrapped[1]			
Sterile, pyrogen-, DNase-, RNase-, human and bacterial DNA-free. Non-cytotoxic			
	Color	**Catalog No.**	**Qty**
1 mL		0030127692	800 pcs. (4 × 200 pcs.), individually blister-wrapped
2 mL		0030127706	600 pcs. (4 × 150 pcs.), individually blister-wrapped
5 mL		0030127714	400 pcs. (4 × 100 pcs.), individually blister-wrapped
10 mL		0030127722	400 pcs. (4 × 100 pcs.), individually blister-wrapped
25 mL		0030127730	200 pcs. (4 × 50 pcs.), individually blister-wrapped
50 mL		0030127749	160 pcs. (4 × 40 pcs.), individually blister-wrapped

1 Certified free of pyrogens, DNA, DNase, and RNase; sterile and non-cytotoxic.

Combitips advanced® and ViscoTip®

Combitips advanced are a perfect fit with Eppendorf Repeater M4 and Repeater E3/x.

Eppendorf Combitips advanced are designed to meet the diverse requirements of modern labs. They work on the positive displacement principle, ensuring accurate volume dispensing regardless of the liquid's density or properties, like high vapor pressure or viscosity. The hermetically sealed piston makes handling radioactive or toxic materials safer by preventing aerosol contamination.

Product features

> Precise dispensing, unaffected by liquid density or flow properties.
> Ideal for repeated dispensing tasks.
> Safe dispensing of hazardous substances thanks to the sealed piston.
> Color-coded for easy volume identification.
> Available in various purity grades for all lab needs.
> Offered in Forensic DNA Grade (refer to page 6 for details).

Ordering information

	Eppendorf Quality		PCR clean[1]		Sterile[2]		Biopur®[3]		Forensic DNA Grade	
Description	**Catalog No.**	**Qty**	**Catalog No.**	**Qty**	**Catalog No.**	**Qty**	**Catalog No.**	**Qty**	**Catalog No.**	**Qty**
Combitips advanced® 100 pcs.										
0.1 mL	0030089405	100	0030089766	100	0030089510	100	0030089618	100		
0.2 mL	0030089413	100	0030089774	100	0030089529	100	0030089626	100		
0.5 mL	0030089421	100	0030089782	100	0030089537	100	0030089634	100		
1.0 mL	0030089430	100	0030089790	100	0030089545	100	0030089642	100	0030089855	100
2.5 mL	0030089448	100	0030089804	100	0030089553	100	0030089650	100	0030089863	100
5.0 mL	0030089456	100	0030089812	100	0030089561	100	0030089669	100	0030089871	100
10 mL	0030089464	100	0030089820	100	0030089570	100	0030089677	100		
25 mL	0030089472	100	0030089839	100	0030089588	100	0030089685	100		
50 mL	0030089480	100	0030089847	100	0030089596	100	0030089693	100		
ViscoTip 100 pcs.										
10 mL	0030089502	100								

1 PCR clean: Batch-certified free from DNA, DNase, RNase, and PCR inhibitors. 2 Sterile: Batch-certified sterile and pyrogen-free. Individually packaged.
3 Biopur®: Batch-certified sterile and free from DNA, DNase, RNase, PCR inhibitors, ATP and pyrogens/endotoxins. Individually packaged.

epT.I.P.S. Motion®

epT.I.P.S. Motion are designed for use with epMotion 96, 5070, 5073, and 5075.

Eppendorf epT.I.P.S. Motion are optimized for use with Eppendorf automated liquid handling systems epMotion® 96, 5070, 5073, and 5075. Manufactured to the highest standards, these tips ensure seamless epMotion performance by minimizing production tolerances and optimizing lot-to-lot consistency.

Product features

> Color-coded trays for easy volume identification
> Special coding embedded in the trays allows for automatic tip recognition and the use of partially filled trays on epMotion 5070, 5073, and 5075
> Racks are individually sealed to guarantee purity until usage
> Safe-Racks feature a honey comb structure inside the box to prevent cross contamination when reusing tips (e.g., for ELISA washing steps)
> Reload tips reduce plastic waste of tip boxes by 40 % to provide an environmentally friendly solution. Also the tip of choice for epMotion 96 (50 and 300 µL)
> Batch number and expiration date on each rack and reload label with batch-specific certificates available at www.eppendorf.com/certificates

Ordering information

		Racks 960 tips (10 x 96)		Safe-Racks 960 tips (10 x 96)	Reloads 2,304 tips (24 x 96)[1]	
	Volume range	**Eppendorf Quality**	**Sterile[2]**	**Eppendorf Quality**	**Eppendorf Quality**	
epT.I.P.S.® Motion	0.2–10 µL	0030014383	0030015185		0030014545	
	1–50 µL	0030014405	0030015207	0030014600	0030014421	
	20–300 µL	0030014448	0030015223	0030014626	0030014464	
	40–1,000 µL	0030014480	0030015240	0030014642	0030014502	
		PCR clean[3]	**PCR clean + Sterile[4]**	**PCR clean[3]**	**PCR clean[3]**	**PCR clean + Sterile[4]**
epT.I.P.S.® Motion with Filter	0.2–10 µL	0030014391	0030015193		0030014553	0030014561
	1–50 µL	0030014413	0030015215	0030014618	0030014430	0030014529
	20–300 µL	0030014456	0030015231	0030014634	0030014472	0030014537
	40–1,000 µL	0030014499	0030015258	0030014650	0030014510	0030014570

1 For use with ep*Motion* Tip Holder catalog number 5075751399. 2 Sterile: Batch-certified sterile and free from pyrogens/endotoxins. 3 PCR clean: Batch-certified free from DNA, DNase, RNase, and PCR inhibitors.
4 PCR clean + Sterile: Batch-certified sterile and free from DNA, DNase, RNase, PCR inhibitors and pyrogens/endotoxins.

epT.I.P.S.® and Ordering Tables

Unmatched Quality and Precision
Our epT.I.P.S. set the standard for quality and precision. Manufactured in contamination-free settings without slip agents, plasticizers, or biocides, these tips ensure the integrity of your samples and results. Designed to enhance your work, they offer:

> Exceptional Accuracy: For reliable and precise measurements.

> Ease of Use: Low attachment and ejection forces for comfortable handling.

> Optimal Sealing: Ensures precision in every pipetting task.

> Universal Compatibility: Fits both Eppendorf and other brand pipettes.

Adaptability and Versatility for Every Need
Eppendorf's epT.I.P.S. are designed to meet a wide range of laboratory needs with four specific purity levels, ensuring suitability for various applications:

> Eppendorf Quality: Ideal for general laboratory work.
> PCR Clean: Perfect for molecular biology applications.
> Biopur®: Tailored for highly sensitive experiments.
> Sterile: Suitable for microbiology and cell culture tasks.

Each tip, crafted from high-quality, virgin polypropylene, features excellent wetting properties and clear visibility.
Our product line also offers diverse storage and usage options to align with different workflow requirements:

> Boxes: For organized and secure storage.
> Reloads: Pair with Boxes for an eco-friendly approach, reducing waste and cost.
> Bulk/Standard Bags: Economical choice for high-volume use.
> Racks: Ensures highest safety standards.
> Individually Wrapped Singles: For specific, sterile applications.

Eppendorf's Sustainable Practices and Innovation
Eppendorf is dedicated to environmental stewardship, reflected in the sustainable and innovative design of our epT.I.P.S. line. Key initiatives include:

> Energy-Efficient Manufacturing: Our processes are optimized for energy conservation, reducing carbon footprint.
> Reload System for Box 2.0: These reloads significantly lower waste compared to single-use racks.
> Eco-Friendly Single-use Racks: Our racks use 20-35% less polypropylene, aiding resource conservation.
> NEW: Now available in BioBased Sterile Reloads – manufactured from 90% recycled, plant-based material. (Details on page 23).

We prioritize scientific advancement while minimizing environmental impact, evident in our ISO 14001 certification for all manual liquid handling products.

Ordering information

Packaging		Standard/Bulk		Box		Sets		Reloads			Racks						Singles			
Description		epT.I.P.S.®		epT.I.P.S.®		epT.I.P.S.®		epT.I.P.S.®			epT.I.P.S.®						epT.I.P.S.®		epT.I.P.S.®	
Purity		Eppendorf Quality		Eppendorf Quality		Eppendorf Quality			Eppendorf Quality	PCR clean	Eppendorf Quality		Sterile		Biopur®		Sterile		Biopur®	
Volume Range	Color	Qty	Catalog No.	Qty	Catalog No.	Qty	Catalog No.	Qty.	Catalog No.	Catalog No.	Qty.	Catalog No.	Qty.	Catalog No.	Qty.	Catalog No.	Qty.	Catalog No.	Qty.	Catalog No.
0.1 – 10 µL (S) 34 mm		1,000 tips (2 bags × 500 tips)	022492004	1 reusable box × 96 tips	0030076125	480 tips (5 trays × 96 tips), 1 reusable box	0030076290	960 tips (10 trays × 96 tips)	022491504	022491709									100 tips, individually packed	022491130
0.1 – 20 µL (M) 40 mm		1,000 tips (2 bags × 500 tips)	022492012	1 reusable box × 96 tips	0030076133	480 tips (5 trays × 96 tips), 1 reusable box	0030076303	960 tips (10 trays × 96 tips)	022491512	022491717			960 tips (10 racks × 96 tips)	0030071557	480 tips (5 Racks of 96)	022491067				
0.5 – 20 µL (L) Elongated 46 mm		1,000 tips (2 bags × 500 tips)	022492021	1 reusable box × 96 tips	0030076141	480 tips (5 trays × 96 tips), 1 reusable box	0030076311	960 tips (10 trays × 96 tips)	022491521	022491725									100 tips, individually packed	022491148
2 – 200 µL 53 mm		1,000 tips (2 bags × 500 tips)	022492039	1 reusable box × 96 tips	0030076150	480 tips (5 trays × 96 tips), 1 reusable box	0030076320	960 tips (10 trays × 96 tips)	022491539	022491733			960 tips (10 racks × 96 tips)	0030071565			1,000 tips, individually packed	022492209		
20 – 300 µL 55 mm		1,000 tips (2 bags × 500 tips)	022492047	1 reusable box × 96 tips	0030076168	480 tips (5 trays × 96 tips), 1 reusable box	0030076338	960 tips (10 trays × 96 tips)	022491547	022491741			960 tips (10 racks × 96 tips)	0030071573					100 tips, individually packed	022491156
50 – 1,000 µL 71 mm		1,000 tips (2 bags × 500 tips)	022492055	1 reusable box × 96 tips	0030076176	480 tips (5 trays × 96 tips), 1 reusable box	0030076346	960 tips (10 trays × 96 tips)	022491555	022491750			960 tips (10 racks × 96 tips)	0030071581	480 tips (5 Racks of 96)	022491083	1,000 tips, individually packed	022492225		
50 – 1,250 µL 76 mm		1,000 tips (4 bags × 250 tips)	022492063	1 reusable box × 96 tips	0030076184	480 tips (5 trays × 96 tips), 1 reusable box	0030076354	960 tips (10 trays × 96 tips)	022491563	022491768			960 tips (10 racks × 96 tips)	0030071590	480 tips (5 Racks of 96)	022491091				
50 – 1,250 µL (L) Elongated 103 mm		1,000 tips (4 bags × 250 tips)	022494018	1 reusable box × 96 tips	0030076192			960 tips (10 trays × 96 tips)	022494004	022494006					480 tips (5 Racks of 96)	022491105				
0.1 – 5 mL 120 mm		500 tips (5 bags × 100 tips)	022492080	1 reusable box × 24 tips	0030076214						120 tips (5 racks × 24 tips)	0030071638	120 tips (5 racks × 24 tips)	0030071620	480 tips (5 Racks of 96)	022491113				
0.2 – 5 mL (L) Elongated 175 mm		300 tips (3 bags × 100 tips)	0030000650								120 tips (5 racks × 24 tips)	0030071646								
0.25 – 2.5 mL 115 mm		500 tips (5 bags × 100 tips)	022492071	1 reusable box × 48 tips	0030076206	240 tips (5 trays × 48 tips), 1 reusable box	0030076362	480 tips (10 trays × 48 tips)	022491571	022491776					240 tips (5 Racks of 48)	022491121				
0.5 – 10 mL 165 mm		200 tips (2 bags × 100 tips)	022492098								120 tips (5 racks × 24 tips)	0030071654			120 tips (5 Racks of 24)	0030075137				
0.5 – 10 mL (L) Elongated 165 mm		200 tips (2 bags × 100 tips)	022492101												120 tips (5 Racks of 24)	0030075188				

ep Dualfilter epT.I.P.S.® & ep Dualfilter epT.I.P.S.® SealMax

Enhanced Protection Against Contamination with ep Dualfilter T.I.P.S. and SealMax

Eppendorf's innovative ep Dualfilter T.I.P.S. are designed for exceptional contamination protection, featuring a unique dual-phase filter:

> Dual-Phase Filter Technology: The first layer protects against drops, splashes, and aerosols. The second layer, closer to the pipette cone, provides extra defense against biomolecule contamination.
> Forensic DNA Grade Options: Available in Eppendorf Forensic DNA Grade for highly sensitive applications (details on page 6).
> Certified Quality: Tips come with optional HEPA/EPA certification, guaranteeing high standards of quality and safety.
> ep Dualfilter SealMax: Features a self-sealing barrier that instantly seals upon contact with fluids, preserving sample integrity and preventing contamination.
> New: Now available in BioBased Sterile Reloads – manufactured from 90% recycled, plant-based material. (See page 23 for more information)

Achieve accurate pipetting results with unparalleled safety and precision.

Ordering information

Packaging			Racks		Racks		Racks	
Description			ep Dualfilter T.I.P.S.®		epT.I.P.S. ®		ep Dualfilter T.I.P.S.® SealMax	
Purity			PCR Clean[1] + Sterile[3]		Forensic DNA Grade		PCR Clean[1] + Sterile[3]	
Volume Range	Length	Color	Qty.	Catalog No.	Qty	Catalog No.	Qty	Catalog No.
0.1 – 10 µL (S)	34 mm		960 tips (10 racks × 96 tips)	0030078500			960 tips (10 racks × 96 tips)	0030078691
0.1 – 10 µL (M)	40 mm		960 tips (10 racks × 96 tips)	0030078519	960 tips (10 racks × 96 tips)	0030078810		
0.5 – 20 µL (L) Elongated	46 mm		960 tips (10 racks × 96 tips)	0030078527			960 tips (10 racks × 96 tips)	0030078705
2 – 20 µL	53 mm		960 tips (10 racks × 96 tips)	0030078535	960 tips (10 racks × 96 tips)	0030078829		
2 – 100 µL	53 mm		960 tips (10 racks × 96 tips)	0030078543			960 tips (10 racks × 96 tips)	0030078713
2 – 200 µL	55 mm		960 tips (10 racks × 96 tips)	0030078551	960 tips (10 racks × 96 tips)	0030078837	960 tips (10 racks × 96 tips)	0030078721
20 – 300 µL	55 mm		960 tips (10 racks × 96 tips)	0030078560			960 tips (10 racks × 96 tips)	0030078730
50 – 1,000 µL	76 mm		960 tips (10 racks × 96 tips)	0030078578	960 tips (10 racks × 96 tips)	0030078845	960 tips (10 racks × 96 tips)	0030078748
50 – 1,250 µL (L) Elongated	103 mm		480 tips (5 racks × 96 tips)	0030078594				
0.1 – 5 mL	120 mm		120 tips (5 racks × 24 tips)	0030078616				
0.2 – 5 mL (L) Elongated	175 mm		120 tips (5 racks × 24 tips)	0030078624				
0.25 – 2.5 mL	115 mm		240 tips (5 racks × 48 tips)	0030078586				
0.5 – 10 mL (L) Elongated	243 mm		100 tips, individually packed	022491288				

1 PCR clean: Batch-certified free from DNA, DNase, RNase, and PCR inhibitors. 2 Biopur: Batch-certified sterile and free from DNA, DNase, RNase, PCR inhibitors, ATP and pyrogens/endotoxins. Individually packaged.
3 Sterile: Batch-certified sterile and free from pyrogens/endotoxins. .

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