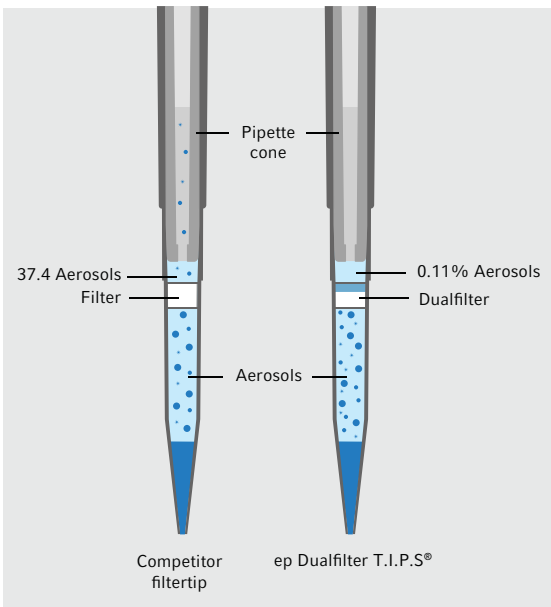
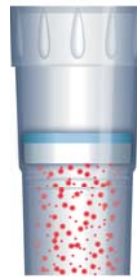


Security For Your Samples Means Security for Yourself



Dual filter, dual protection for you and your sample

When pipetting liquids with any air-cushion pipettes, micro-droplets of aerosols will be created. With the epDualfilter tips, the dual filter can effectively prevent micro-droplets from contaminating the pipette and this will minimize risks of cross contamination when the same pipette is used for handling different samples. In other words less risks of producing false positives results.



- ← Phase 2: Binds biomolecules (e.g. virus, RNA, DNA)
- ← Phase 1: Maximum protection against aerosols



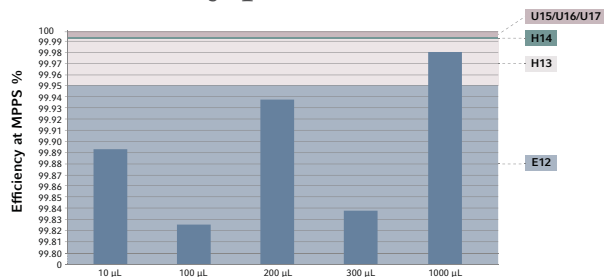
ep Dualfilter T.I.P.S.®

- > Certificate of filter efficiency acc. to EN 1822 available at: [certificates homepage](#)
- > Tested at the Fraunhofer Institute for Toxicology and Experimental Medicine (ITEM) in Hannover, Germany
- > Lot-specific certificates are available at: www.eppendorf.com/certificate



Eppendorf laboratory plastics are PCR Clean so you can use them straightaway for PCR work as there is no PCR inhibitors that will contribute to false negative results.

Scientifically proven



Performance of ep Dualfilter T.I.P.S. SealMax at MPPS (most penetrating particle size). Measurements performed according to EN 1822. Filters retain different particle sizes with different performance. The MPPS displays the lowest performance. The labels on the right side of the graphic refer to different classes of MPPS within the standard EN 1822. All ep Dualfilter T.I.P.S. comply with class E12, whereas the most used ep Dualfilter T.I.P.S. variant, the 1,000 µL tip, even complies with class H13. This means that it catches at least 99.98 % of the particles.

A blind trial at the Fraunhofer Institute for Toxicology and Experimental Medicine (ITEM) in Hanover, Germany shows the superiority of the epDualfilter T.I.P.S.®

Eppendorf Certificate



Certificate of Quality

EPA/HEPA* Standard of epDualfilter T.I.P.S.®

For the filters in the following pipette tips we hereby confirm a filter efficiency of class E12 in accordance with EN 1822-5.

ep Dualfilter T.I.P.S.® Racks	Order no. (International)	Order no. (North America)
0.1 - 10 µL, S, 34 mm	0030 077 500	022491202
0.1 - 10 µL, L, 40 mm	0030 077 512	022491211
0.5 - 20 µL, L, 46 mm	0030 077 520	022491229
2 - 20 µL, 53 mm	0030 077 539	022491270
2 - 100 µL, 53 mm	0030 077 547	022491237
2 - 200 µL, 55 mm	0030 077 555	022491296
20 - 300 µL, 55 mm	0030 077 563	022491245
50 - 1000 µL, 76 mm	0030 077 571	022491253
50 - 1250 µL, L, 103 mm	0030 077 750	022494002

The only filter tip that is certified to EN1822 that means the epDualfilter T.I.P.S.® has a filter efficiency equivalent to HEPA Class E12 while the 1 mL filter tip variant has an equivalent to HEPA Class E13.

ep Dualfilter T.I.P.S.[®] Ordering Information


ep Dualfilter T.I.P.S. [®] , 0.1 – 10 µL S, dark gray, colorless tips, 960 tips (10 racks × 96 tips)	0030078500
ep Dualfilter T.I.P.S. [®] , 0.1 – 10 µL M, medium gray, colorless tips, 960 tips (10 racks × 96 tips)	0030078519
ep Dualfilter T.I.P.S. [®] , 0.5 – 20 µL L, light gray, colorless tips, 960 tips (10 racks × 96 tips)	0030078527
ep Dualfilter T.I.P.S. [®] , 2 – 20 µL, yellow, colorless tips, 960 tips (10 racks × 96 tips)	0030078535
ep Dualfilter T.I.P.S. [®] , 2 – 100 µL, yellow, colorless tips, 960 tips (10 racks × 96 tips)	0030078543
ep Dualfilter T.I.P.S. [®] , 2 – 200 µL, yellow, colorless tips, 960 tips (10 racks × 96 tips)	0030078551
ep Dualfilter T.I.P.S. [®] , 20 – 300 µL, orange, colorless tips, 960 tips (10 racks × 96 tips)	0030078560
ep Dualfilter T.I.P.S. [®] , 50 – 1,000 µL, blue, colorless tips, 960 tips (10 racks × 96 tips)	0030078578
ep Dualfilter T.I.P.S. [®] , 0.25 – 2.5 mL, red, colorless tips, 240 tips (5 racks × 48 tips)	0030078586
ep Dualfilter T.I.P.S. [®] , 50 – 1,250 µL L, dark green, colorless tips, 480 tips (5 racks × 96 tips)	0030078594
ep Dualfilter T.I.P.S. [®] , 0.1 – 5 mL, violet, colorless tips, 120 tips (5 racks × 24 tips)	0030078616
ep Dualfilter T.I.P.S. [®] , 0.5 – 10 mL L, turquoise, colorless tips, 100 tips, ind. Packed	0030077598
ep Dualfilter T.I.P.S. [®] , 0.2 – 5 mL L, violet, colorless tips, 120 tips (5 racks × 24 tips)	0030078624



All ep Dualfilter T.I.P.S.[®] are of PCR Clean and Sterile Quality with lot-specific certificate. Ready to use without autoclaving.

Certificate of Purity – Eppendorf PCR Clean & Sterile –

LADR GmbH
Medizinisches Versorgungszentrum Bremen
Bereich Lebensmittel-, Futtermittel- & Umweltanalytik
Leitung: Dipl.-Biol. Thomas Weigel



ep Dualfilter T.I.P.S.[®] 50 - 1000 µL

10x 96 Eppendorf Tips
PCR clean / sterile

LOT G174289M

2022-07

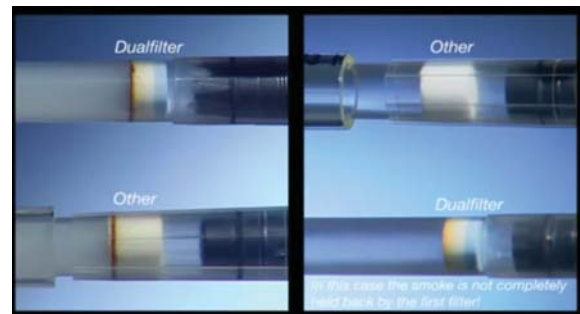
STERILE R

Order no.: 0030 077.571
Eppendorf AG
28351 Hamburg · Germany
Email: eppendorf@eppendorf.com

Cat. no.: 022491253
Distributed in North America by
Eppendorf North America, Inc. · USA
Email: Info@eppendorf.com

- **Human DNA / humane DNA**
Method / Methode: Polymerase Chain Reaction
Limit / Grenzwert: < 2 pg. less than one human cell /
weniger als eine humane Zelle
- **DNase**
Method / Methode: DNA Digestion / DNA Verdau
Limit / Grenzwert: not detectable / nicht nachweisbar
(LOD / Nachweisgrenze:
1.0 × 10⁴ Kunitz-units)
- **RNase**
Method / Methode: RNA Digestion / RNA Verdau
Limit / Grenzwert: not detectable / nicht nachweisbar
(LOD / Nachweisgrenze:
1.0 × 10³ Kunitz-units)
- **PCR Inhibition / PCR Inhibition**
Method / Methode: Polymerase Chain Reaction
Limit / Grenzwert: Less than 10 targets amplifiable /
weniger als 10 amplifizierbare
Targets
- **Sterility / Sterilität**
Method / Methode: irradiation according DIN EN ISO 11137:2015
or ethylene oxide sterilization with SAL
(Sterility Assurance Level) of 10⁻⁶.
Please see attached label for the standard
method of sterilization for this product /
 Bestrahlung gemäß DIN EN ISO 11137:2015
oder Ethylenoxid-Sterilisation bei einem
SAL von 10⁻⁶.
Bitte entnehmen Sie dem Etikett die Standard-
Sterilisationsmethode für dieses Produkt.

Test method / Prüfverfahren:
USP, Ph. Eur. 2.6.12
- **Endotoxin**
Test method / Prüfverfahren:
Kinetic-turbidimetric LAL test (Ph. Eur. 2.6.14) /
Kinetisch-turbidimetrischer LAL-Test
(Ph. Eur. 2.6.14)
Limit / Grenzwert: < 0.001 EE (EU; I.E.; I.U.) /mL



This smoke test show why a dual layer filter from Eppendorf is better than a single layer filter.

Watch: <http://eppendorf.global/kqm>

For ordering information, please check our local website or contact your local sales representative

www.eppendorf.com/Consumables

