

# 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.

<b>ep Dualfilter T.I.P.S.® Racks</b>	<b>Order no. (international)</b>	<b>Order no. (North America)</b>
0.1 - 10 µL S, 34 mm	0030 077 504	022491202
0.1 - 10 µL M, 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
100 - 5000 µL, 120 mm	0030 077 580	022491261
1 - 10 mL L, 243 mm	0030 077 598	022491288
<b>ep Dualfilter T.I.P.S.® LoRetention Racks</b>	<b>Order no. (international)</b>	<b>Order no. (North America)</b>
0.1 - 10 µL S, 34 mm	0030 077 610	022493000
0.5 - 20 µL L, 46 mm	0030 077 628	022493002
	0030 077 644	022493006
20 - 300 µL, 55 mm	0030 077 636	022493004
50 - 1000 µL, 76 mm	0030 077 652	022493008
<b>ep Dualfilter T.I.P.S.® SealMax Racks</b>	<b>Order no. (international)</b>	<b>Order no. (North America)</b>
0.1 - 10 µL S, 34 mm	0030 077 806	0030077806
0.5 - 20 µL L, 46 mm	0030 077 814	0030077814
2 - 100 µL, 53 mm	0030 077 822	0030077822
2 - 200 µL, 55 mm	0030 077 830	0030077830
20 - 300 µL, 55 mm	0030 077 849	0030077849
50 - 1000 µL, 76 mm	0030 077 857	0030077857
<b>ep Dualfilter T.I.P.S.® SealMax Racks IVD</b>	<b>Order no. (international)</b>	<b>Order no. (North America)</b>
0.1 - 10 µL S, 34 mm	0030 077 873	-
0.5 - 20 µL L, 46 mm	0030 077 865	-
2 - 100 µL, 53 mm	0030 077 881	-
2 - 200 µL, 55 mm	0030 077 970	-
20 - 300 µL, 55 mm	0030 077 989	-
50 - 1000 µL, 76 mm	0030 077 997	-
<b>ep Dualfilter T.I.P.S.® 384</b>	<b>Order no. (international)</b>	<b>Order no. (North America)</b>
0.1 - 20 µL, 42 mm	0030 078 403	0030078403
0.5 - 100 µL, 52.8 mm	0030 078 411	0030078411

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There is no standardized test method available yet to determine the efficiency of filters in pipette tips. Hence, the method established is defined according to EN 1822-5 (classification of air filters) as follows:

Aerosol permeability is measured using a defined polydisperse NaCl aerosol at a flow velocity of 25 mm/s. For distinguished particle diameters, penetrating aerosol particles are counted using a Scanning Mobility Particle Sizer where the ratio of this value to the reference blank value is the permeability. EPA/HEPA\* classification according to EN 1822-5 rates the filter efficiency at the particle size of highest penetration.

All tests were performed by an independent accredited laboratory.

\* Efficient particulate air filter/High efficiency particulate air filter

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Page 2 of 2

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ISO 9001  
Certified

ISO 13485  
Certified

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Certified

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