

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 DIN EN ISO 29463-5.

Volume	Order no.		
	old (international)	old (North America)	new
ep Dualfilter T.I.P.S.® Racks PCR clean and sterile			
0.1 - 10 µL S, 34 mm	0030 077.504	022491202	0030 078 500
0.1 - 10 µL M, 40 mm	0030 077.512	022491211	0030 078 519
0.5 - 20 µL L, 46 mm	0030 077.520	022491229	0030 078 527
2 - 20 µL, 53 mm	0030 077.539	022491270	0030 078 535
2 - 100 µL, 53 mm	0030 077.547	022491237	0030 078 543
2 - 200 µL, 55 mm	0030 077.555	022491296	0030 078 551
20 - 300 µL, 55 mm	0030 077.563	022491245	0030 078 560
50 - 1000 µL, 76 mm	0030 077.571	022491253	0030 078 578
50 - 1250 µL L, 103 mm	0030 077.750	022494002	0030 078 594
0.25 - 2500 µL, 115 mm	-	022491881	0030 078 586
0.2 - 5000 µL L, 175 mm	0030 077.725	0030077725	0030 078 624
100 - 5000 µL, 120 mm	0030 077.580	022491261	0030 078 616
0.5 - 10 mL L, 243 mm	0030 077.598	022491288	-
ep Dualfilter T.I.P.S.® Racks Forensic Grade			
0.1 - 10 µL M, 40 mm	0030 077.768	0030077768	0030 078 810
2 - 20 µL, 53 mm	0030 077.776	0030077776	0030 078 829
2 - 200 µL, 55 mm	0030 077.784	0030077784	0030 078 837
50 - 1000 µL, 76 mm	0030 077.792	0030077792	0030 078 845
ep Dualfilter T.I.P.S.® LoRetention® Racks PCR clean and sterile			
0.1 - 10 µL S, 34 mm	0030 077.610	022493000	0030 078 632
0.5 - 20 µL L, 46 mm	0030 077.628	022493002	0030 078 640
2 - 100 µL, 53 mm	0030 077.644	022493006	0030 078 659
2 - 200 µL, 55 mm	0030 077.741	0030077741	0030 078 667
20 - 300 µL, 55 mm	0030 077.636	022493004	0030 078 675
50 - 1000 µL, 76 mm	0030 077.652	022493008	0030 078 683
ep Dualfilter T.I.P.S.® SealMax Racks PCR clean and sterile			
0.1 - 10 µL S, 34 mm	0030 077.806	0030078691	0030 078 691
0.5 - 20 µL L, 46 mm	0030 077.814	0030078705	0030 078 705
2 - 100 µL, 53 mm	0030 077.822	0030078713	0030 078 713
2 - 200 µL, 55 mm	0030 077.830	0030078721	0030 078 721
20 - 300 µL, 55 mm	0030 077.849	0030078730	0030 078 730
50 - 1000 µL, 76 mm	0030 077.857	0030078748	0030 078 748
ep Dualfilter T.I.P.S.® 384 PCR clean and sterile			
0.1 - 20 µL, 42 mm	0030 078.403	0030078403	0030 078 853
0.5 - 100 µL, 52.8 mm	0030 078.411	0030078411	0030 078 861

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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 DIN EN ISO 29463-5 (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 DIN EN ISO 29463-5 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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ISO 9001
Certified

ISO 13485
Certified

ISO 14001
Certified

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