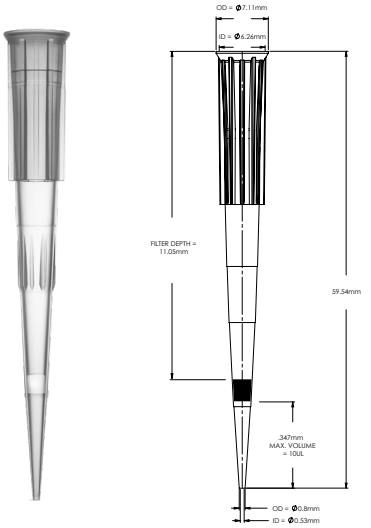
NEPTUNE®

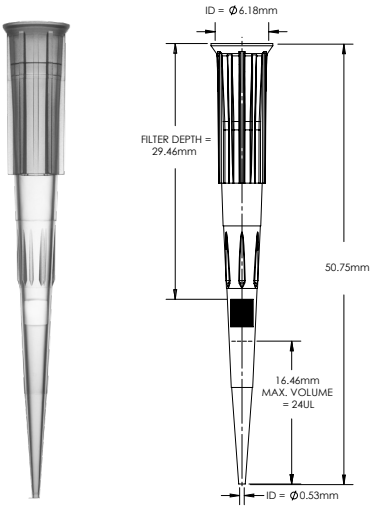
Product Specification Sheet

Series	BT10F Series 10 µl Finn™ Style Barrier Tip	BT20 Series 20 µl Barrier Tip		2100 Series 200 µl Ultra Micro Tip			
Part Number	**BT10F**	**BT20**	**BT20 ESP**	**2100.N 2100**	**2107.N, 2107 2107.S**	**2101.N 2101**	**2102.N, 2102 2102.NS**
Graduation Marks	Indicated at 10 µl location			Graduation marks are indicated at both 10 µl, 50 µl and 100 µl locations Refer to product image for visuals			
Tip Composition	Neptune pipette tips are made of virgin polypropylene						
Tip Type	S^3 - Low Retention			Natural Polypropylene & S^3 - Low Retention			Natural Polypropylene
Filter Material	High Density Polyethlene Filter			Non-Filtered Products			
Offered in Sterile Format	Yes			No	Yes	No	Yes
Configuration	Racked		ESP Reload	Bulk	ESP Reload	Rack & Stack	Racked
Packaging Breakdown	96 tips/ rack 10 racks/ pack 5 packs/ case		96 tips/ insert 10 inserts/pack 4 packs/ case	1000 tips bag 20 bags/ case	96 tips/ card 10 cards/ pack 10 packs/ case	96 tips/ card 10 cards/ pack 5 packs/ case	96 tips/ rack 10 racks/ pack 5 packs/ case
Autoclavable	No			Autoclavable at 120˚C for 10-15 minutes at 15 PSI			
Storage Condition	Store in a clean, dry environment at room temperature 15-30˚C						

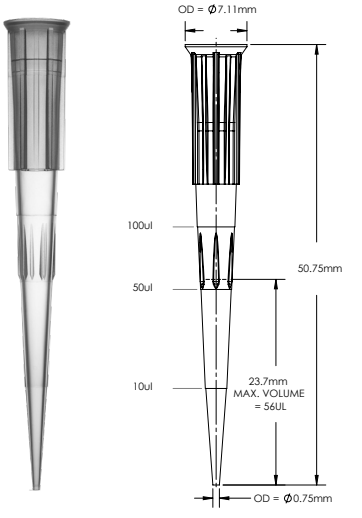
BT10F Series



BT20 Series



2100 Series



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Quality Control:

Certificates of Compliance	Each lot undergoes stringent inspection and indiviadual lot testing ensures Neptune products are certified RNase, DNase, DNA and Endotoxin-free. Visit www.neptunescienfific.com to obtain a copy of a certificate of compliance for your Neptune product.
RNase/ DNase	Products are washed in distilled water and concentrated via centrifugation. Samples are added to previously established nucleic acid standards, incubated for one hour at 37°C, and tested on a 2% gel using electrophoresis. Products must show no degradation of standards to pass. Test sensitivity is 10-7 Kunitz units/µl.
Nucleic Acid	Products are washed in distilled water and concentrated via centrifugation. Then, samples are added to protocol specified PCR reactions and thermal cycled for 50 cycles. A 2% agarose gel electrophoresis is used to examine experimental samples, positive controls, and negative controls. To pass, product samples must show no DNA amplification. Test sensitivity is 10 ng.
Endotoxin/ Pyrogen	Products are tested for endotoxins by using the Limulus Amebocyte Lysate (LAL) gel assay according to FDA guidelines. Test sensitivity is 0.06 EU/ml.
Sterilization	Products are sterilized using electron beam irradiation.
Traceability	Each product contains a 5 digit lot number located on the rack, pack and case of each finished good. With Neptune's advanced manufacturing process all raw materials are able to be traced for maximum quality assurance.

Advancements in Liquid Handling

S^3	Neptune's exclusive S^3 polymer was designed to increase pipetting accuracy by virtually eliminating tip retention and sample hold-up.
ESP Reload	Neptune's ESP (Environmental Sustainable Pack) was the industry's first pipette reload system designed to minimize plastic waste by 90% and provide an environmentally friendly solution.
Aerosol Barrier Tip	Specifically enginerred to reduce cross contamination.

Pipettor Compatibility:

Biohit Proline™ 10 µl
Brand Transferpette S™
10 µl Capp™ 10 µl
CLP Beta-Pette™ 2 µl and 10 ul
CLP Poseidon™ 2 µl and 10 ul
CLP Poseidon Electronic™ 20 µl
Eppendorf Reference™ 2.5 µl
(works with 2040 series)
Eppendorf Reference™ 10 µl
Eppendorf Research™ 2.5 µl
(works with 2040 series)
Eppendorf Research™ 10 µl
Eppendorf Research Plus™ 2.5 µl
(works with 2040 series)
Eppendorf Research Plus™ 10 µl
Eppendorf Xplorer™ 10 µl
Finnpipette™ 10 µl and 50 µl
Finnpipette™ Electronic 10 µl
Finnpipette F1™ 10 µl
Gilson PIpetman™ P2 and P10
Hamilton™ 2 µl and 10 µl
Nichiryo Nichipet EX™ 10 µl
Nichiryo Oxford Benchmate™ 2 µl
Nichiryo Oxford Multimate™ 10 µl
Socorex Calibri 822™ 10 µl
VWR Ultra High Performance™
2 µl and 10 µl