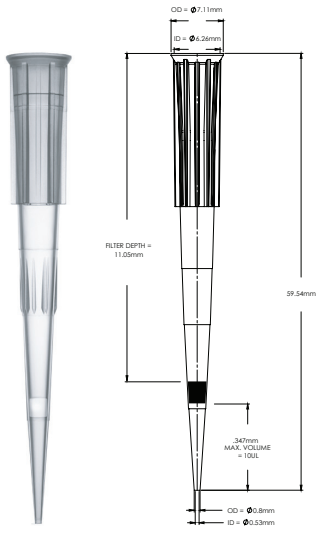
NEPTUNE®

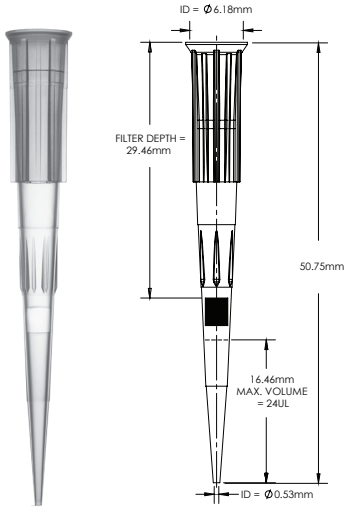
Product Specification Sheet

Series	BT10F Series 10 µl Finn™ Style Barrier Tip	BT20 Series 20 µl Barrier Tip	2100 Series 200 µl Ultra Micro Tip			
Part Number	**63300752**	**63300757**	**63300526 63302163**	**63300538 63302166**	**63300530 63302164**	**63300532 63300533 63302165 63300534**
Legacy REF Number	BT10F	BT20	2100.N 2100	2107.N 2107	2101.N 2101	2102.N 2102.NS 2102 2102.S
Graduation Marks	Indicated at 10 µl location		Graduation marks are indicated at 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 Types Available	S^3- Low Retention		Natural Polypropylene & S^3- Low Retention			Natural Polypropylene
Filter Material	High Density Polyethylene Filter		Non-Filtered Products			
Offered in Pre-Sterile Format	Yes		No	Yes	No	Yes
Configuration	Racked		Bulk	ESP Reload	Rack & Stack	Racked
Packaging Breakdown	96 tips/ rack 10 racks/ pack 5 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 PSI			
Storage Conditions	Store in a clean, dry environment at room temperature 15-30˚C					

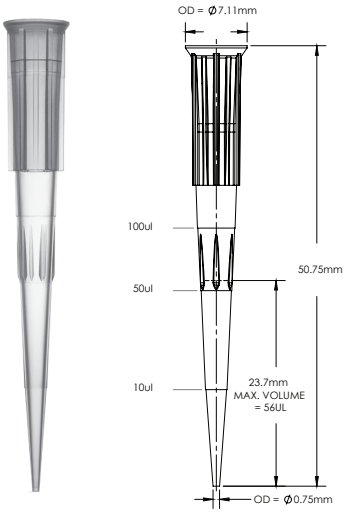
BT10F Series



BT20 Series



2100 Series



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Quality Control:

Certificates of Compliance	Each lot undergoes stringent inspection and individual lot testing ensures Neptune products are certified RNase, DNase, DNA and Endotoxin-free. Visit www.neptunescientific.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 (Environmentally 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 engineered to reduce cross contamination.

Pipettor Compatibility:

Biohit™ M100 and M200
Biohit Proline Plus™ 100 µl and 200 µl
Brand Transferpette S™ 20 µl, 100 µl and 200 µl
Brand Transferpette Electronic™ 300 µl
Capp™ 50 µl, 100 µl, and 300 µl
CLP Beta-Pette™ 20 µl, 100 ul and 200 µl
CLP Poseidon™ 50 µl, 100 µl, 200 µl and 300 µl
CLP Poseidon Electronic™ 200 µl
Eppendorf Reference™ 20 µl, 100 µl and 200 µl
Eppendorf Research™ 20 µl, 100 µl, 200 µl and 300 µl
Eppendorf Research Plus™ 20 µl and 100 µl
Eppendorf Xplorer™ 20 µl and 100 µl
Finnpipette™ 20 µl, 50 µl, 200 µl and 300 µl
Finnpipette™ Electronic 300 µl
Gilson Pipetman™ P20, P100 and P200
Gilson Pipetman Ultra™ U20 and U200
Hamilton™ 25 µl, 100 µl and 300 µl
Nichiryo Nichipet EX™ 25 µl, 100 µl and 200 µl
Nichiryo Oxford Benchmate™ 20 µl
Nichiryo Oxford Multimate™ 50 µl and 300 µl
Socorex Calibri 822™ 100 µl and 200 µl
VWR Ergonomic High Performance™ 20 µl and 200 µl
VWR Ultra High Performance™ 20 µl, 100 µl and 200 µl