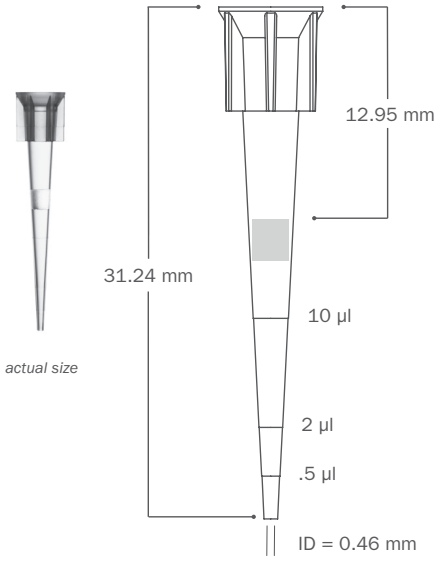
NEPTUNE™
Tools for Life Sciences

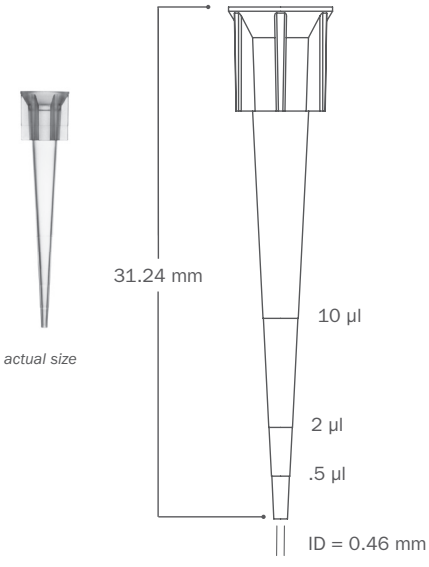
Product Specification Sheet

Series	BT10 Series 10 µl Barrier Tip	2040 Series 10 µl Ultra-Micro Tip		
Part Number	BT10.N	2040.N	2047.N 2047.NS	2042.N 2042.NS
Graduation Marks	Graduation marks are indicated at both 0.5 µl, 2 µl and 10 µl locations – refer to product image for visuals			
Tip Composition	Neptune pipette tips are made of virgin polypropylene			
Tip Type	Natural Polypropylene			
Filter Material	High Density Polyethylene Filter	Non-filtered Products		
Offered in Pre-Sterile Format	Yes	No	Yes	
Configuration	Racked	Bulk	ESP Reload*	Racked
Packaging Breakdown	96 tips per rack 10 racks per pack 5 packs per case	1000 tips per bag 20 bags per case	96 tips per card 20 cards per pack 4 packs per case	96 tips per rack 10 racks per pack 5 packs per case
Autoclavable	No	Autoclavable at 120˚C for 10-15 minutes at 15 PSI		
Storage Conditions	Store in a clean, dry environment at room temperature 15-30˚C			

BT10.N Series



2040.N Series



ESP Reload* Neptune's patented reload system
Environmentally Sustainable Pack (ESP) reduces plastic waste by up to 90%

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:

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 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