

LIQUID HANDLING SPECIALISTS

Neptune Pipette Tips



Quality-tested pipette tips consistently deliver precise sample measurements and will protect your work from contamination.

Neptune Product Code Change

Dear Valued Customer,

We wish to advise of the following changes to the Neptune Product Codes. Rest assured you will still be receiving the same quality product, our supplier has just undergone a new product code update. If you have any questions regarding this change please contact our team on 1800 069 161.

New Product Code	Old Product Code	New Item Description
034-63300746	034-BT10	Neptune Filter Tip 10ul Low Ret Racked Sterile (10 x 96)
034-63300748	034-BT100	Neptune Filter Tip 100ul Low Ret Racked Sterile (10 x 96)
034-63300749	034-BT1000.96	Neptune Filter Tip 1000ul Low Ret Racked Sterile (8 x 96)
034-63300751	034-BT10E	Neptune Filter Tip Ultra Micro 10ul Low Ret Sterile (10 x 96)
034-63300752	034-BT10F	Neptune Filter Tip 10ul Finn Style Low Ret Sterile (10 x 96)
034-63300754	034-BT10XLS3	Neptune Filter Tip 10ul Extra Long Low Ret Sterile (10 x 96)
034-63300755	034-BT1250	Neptune Filter Tip 1250ul Low Ret Extended Length Sterile (8 x 96)
034-63300757	034-BT20	Neptune Filter Tip 20ul Low Ret Racked Sterile (10 x 96)
034-63300759	034-BT200	Neptune Filter Tip 200ul Low Ret Racked Sterile (10 x 96)
034-63300762	034-BT200XLT	Neptune Filter Tip 200ul Low Ret Extended Length Sterile (8 x 96)
034-63300763	034-BT300	Neptune Filter Tip 300ul Low Ret Racked Sterile (10 x 96)
034-63302157	034-2040	Neptune Tip 10ul Micro Bulk (1000)
034-63302158	034-2042	Neptune Tip Micro 10ul Racked (10 x 96)
034-63300800	034-2042-ER	Neptune Empty Optimus Rack, Med, Sml Snapcard 10ul (10 Racks)
034-63300508	034-2042.S	Neptune Tip Micro 10ul Racked Sterile (960)
034-63302159	034-2047	Neptune Tip Micro 10ul Low Ret ESP Reload (20 x 96)
034-63300511	034-2047.N	Neptune Tip Micro 10ul ESP Reload (20 x 96)
034-63302160	034-2090	Neptune Tip 300ul Multi-fit Bulk (1000)
034-63300518	034-2092.N	Neptune Tip 300ul Multi-fit Rack (10 x 96)
034-63300520	034-2092.S	Neptune Tip 300ul Multi-fit Racked Sterile (10 x 96)
034-63302162	034-2097	Neptune Tip 300ul Multi-fit ESP Reload (10 x 96)
034-63302163	034-2100	Neptune Tip 200ul Universal Bulk (1000)
034-63302165	034-2102	Neptune Tip 200ul Universal Racked (10 x 96)
034-63300534	034-2102.S	Neptune Tip 200ul Universal Racked Sterile (10 x 96)
034-63302166	034-2107	Neptune Tip 200ul Universal ESP Reload (10 x 96)
034-63302167	034-2140	Neptune Tip 10ul Ultra Micro Bulk (1000)
034-63302064	034-2142	Neptune Tip 10ul Ultra Micro Racked, Non-Sterile (10 x 96)
034-63300544	034-2142.S	Neptune Tip 10ul Ultra Micro Racked Sterile (10 x 96)
034-63300545	034-2152.96.N	Neptune Tip 200ul Extended Length Racked (8 x 96)
034-63302168	034-2160	Neptune Tip 1000ul Graduated Slimline Bulk (1000)
034-63300549	034-2162.96.S	Neptune Tip 1000ul Graduated Slimline Racked Sterile (8 x 96)

New Product Code	Old Product Code	New Item Description
034-63302170	034-2167.96	Neptune Tip 1000ul Graduated Slimline ESP Reload (10 x 96)
034-63300553	034-234053	Neptune Tip 10ul Extra Long Low Ret Bulk (1000)
034-63300802	034-2342-ER	Empty Optimus Rack, Med, With Snapcard 300ul (10 Racks)
034-63300557	034-234253	Neptune Tip 10ul Extra Long Low Ret Racked (10 x 96)
034-63300558	034-234253.S	Neptune Tip 10ul Extra Long Low Ret Racked Sterile (10 x 96)
034-63302176	034-2347	Neptune Tip 10ul Extended ESP Reload (10 x 96)
034-63300801	034-2347-ER	Empty Optimus Rack, Med, No Snapcard 300ul (10 Racks)
034-63300563	034-2370.N	Neptune Tip 1000ul Extended Bulk (1000)
034-63302178	034-2372	Neptune Tip 1250ul Extended Racked (8 x 96)
034-63300804	034-2372-ER	Empty Optimus Rack, Lge Snapcard 1250ul (8 Racks)
034-63300567	034-2372.S	Neptune Tip 1250ul Extended Racked Sterile (8 x 96)
034-63302179	034-2377	Neptune Tip 1250ul Extended ESP Reload (10 x 96)
034-63300803	034-2377-ER	Empty Optimus Rack, Lge No Snapcard 1250ul (8 Racks)
034-63300584	034-3423	Tubes 0.2ml Flat Cap PCR Clear (1000)
034-63300581	034-3423.A	Tubes 0.2ml Flat Cap PCR Assorted Colors (1000)
034-63300582	034-3423.AS	Tubes 0.2ml Flat Cap PCR Assorted Colors Sterile (1000)
034-63300583	034-3423.S	Tubes 0.2ml Flat Cap PCR Sterile (1000)
034-63300588	034-3425	Tubes 0.2ml Dome Cap PCR Clear (1000)
034-63300587	034-3425.S	Tubes 0.2ml Dome Cap PCR Clear Sterile (1000)
034-63300617	034-3438	Plate 96-well PCR 200ul, Low Profile Clear (20x5 = 100/pk)
034-63300626	034-3730	Plate 96-well PCR 350ul, Clear (10x10 = 100/pk)
034-63300627	034-3731	8-Strip Caps for PCR plates (120 Strips of 8 per Pack)
034-63300628	034-3732	Plate 96-well PCR 200ul, Low Profile, Skirted, Clear (10x10 = 100/pk)
034-63300632	034-3735	Microcentrifuge Tube 0.6ml Flat Cap (1000/pack)
034-63300629	034-3735.A	Microcentrifuge Tube 0.6ml Flat Cap Assorted Colors (1000/pack)
034-63300631	034-3735.S	Microcentrifuge Tube 0.6ml Flat Cap Sterile (500/pack)
034-63300634	034-3742	Plate 96-well PCR 350ul, Clear Semi-skirted (10x10 = 100/pk)
034-63300638	034-3745	Microcentrifuge Tube 1.6ml - Tight Seal (500/pack)
034-63300635	034-3745.A	Microcentrifuge Tube 1.6ml - Tight Seal, Asst Colours (500/pack)
034-63300637	034-3745.S	Microcentrifuge Tube 1.6ml - Tight Seal, Sterile
034-63300642	034-3765	Microcentrifuge Tube 2.0ml (500/pack)
034-63300640	034-3765.A	Microcentrifuge Tube 2.0ml Assorted Colors (500/pack)
034-63300641	034-3765.S	Microcentrifuge Tube 2.0ml Sterile (250/pack)
034-63300646	034-4445	Microcentrifuge Tube 1.6ml - Easy Seal (500/pack)
034-63300643	034-4445.A	Microcentrifuge Tube 1.6ml - Easy Seal, Asst Colours (500/pack)
034-63300645	034-4445.S	Microcentrifuge Tube 1.6ml - Easy Seal, Sterile (500/pack)

Best Practices

Pipette Tips

For more than 22 years, Neptune has provided great value and proven quality.

Neptune's extensive line of universal pipette tips and barrier tips address liquid handling needs of the busiest academic, clinical and research laboratories around the world.

To ensure that Neptune Pipette tips perform as well in our hands as they do in yours, we have outlined some best practices for using tips in the lab.

Compatibility

The single greatest contributing factor to liquid handling performance is fit. Pipette tips work with pipettes as a unified system and the better the fit, the greater the overall accuracy and precision.

Mounting tips onto a pipette should be done with firm downward pressure. You should not have to repeatedly pound the pipette onto the tips. This can not only cause damage to your pipette, but also increase your risk for Repetitive strain injury (RSI).

A good seal will ensure complete draw and dispense of your sample. However, you should also verify that the pipette you are using has been calibrated. Verify that your pipette is both accurate and precise. For pipettes that are used daily, it is recommended to have them calibrated every 3 months.



Precise, but not Accurate



Accurate, but not Precise



Precise and Accurate

Product Handling

When stored properly, Neptune pipette tips have a long shelf life and maintain high quality performance. Store tips at room temperature and practice a first in, first out (FIFO) program for managing inventory. When not in use keep the lids closed on tip racks to prevent contamination from airborne particulates. Avoid touching pipette tips with your fingers, even when gloved.

Depending on the sample solution that you are working with, there are options to consider in tips and pipetting technique. For example, Neptune's tips with S3 technology are ideal for viscous and/or precious samples where delivery of every drop counts.

Filter Tips



Protect your work from contamination with one of the industry's most efficient aerosol filter assemblies. Our proven range of filter pipette tips reliably prevent aerosol transfer to give you complete peace of mind when performing your most sensitive assays.

Neptune Filter Tips are pre-sterile and tested to be free of:

- › Human DNA
- › DNase & RNase
- › Endotoxins (Pyrogens)

The Optimus Rack

- › **Locking Clasp** ensures rack is securely closed – can be locked or unlocked with one hand
- › **Double Ball Hinge** reinforced hinge design survives multiple trips through autoclave and opens a full 180 degrees
- › **Structural Support** ribbing network built into base creating a stable platform
- › **Stable Corners** redesigned base allowing you to pipette off the corners without tipping the rack
- › **Environmentally Conscious** manufactured with 1/3 less plastic than leading competitor racks while providing top quality and strength

Product Identification

- › Increases lot traceability and makes the racks recyclable
- › Printed catalogue number simplifies the reordering process



Ordering Information

Range	Product Code	Tip Type	Packaging	Quantity
10 ul Filter Tip 	034-63300746	S3	Pre-Sterile, Racked	10 racks of 96/pack
10 ul Extended Filter Tip 	034-63300754	S3	Pre-Sterile, Racked	10 racks of 96/pack
10 ul Eppendorf Style Filter Tip 	034-63300751	S3	Pre-Sterile, Racked	10 racks of 96/pack
10 ul Finn Style Filter Tip 	034-63300752	S3	Pre-Sterile, Racked	10 racks of 96/pack
20 ul Filter Tip 	034-63300757	S3	Pre-Sterile, Racked	10 racks of 96/pack
100 ul Filter Tip 	034-63300748	S3	Pre-Sterile, Racked	10 racks of 96/pack
200 ul Extended Filter Tip 	034-63300759	S3	Pre-Sterile, Racked	10 racks of 96/pack
200 ul Extended Length Filter Tip 	034-63300762	NP	Pre-Sterile, Racked	8 racks of 96/pack
300 ul Filter Tip 	034-63300763	S3	Pre-Sterile, Racked	10 racks of 96/pack
1000 ul Filter Tip 	034-63300749	S3	Pre-Sterile, Racked	8 racks of 96/pack
1000-1250 ul Extended Length Filter Tip 	034-63300755	S3	Pre-Sterile, Racked	8 racks of 96/pack

Non-Filter Pipette Tips



Generate reproducible results in minimal time with minimal fuss. Our convenient, quality-tested pipette tips consistently deliver precise sample measurements in single and multichannel pipettors.

Sample Saving Surface (S3)

Ensure the reproducibility of your results with the latest generation in low-retention technology. Made from our unique S3 polymer, Neptune pipette tips retain virtually no fluids, allowing you to dispense truly accurate sample volumes:

- › Slash retention of biological solutions
- › Save your work from leach-prone silicone treatments
- › Autoclave and use with complete confidence

Features:

- › Eco-friendly racks designed for minimum plastic consumption
- › Easy-insertion, easy-ejection
- › S3 technology assures the highest recovery of your precious sample
- › Available in Bulk, Racked, Sterile, Non-Sterile and ESP Reload Formats

ESP Reload System



The Neptune ESP (Environmentally Sustainable Pack) System was designed to meet industry demands to minimize plastic waste by 90% and provide an environmentally friendly solution. ESP tips provide a low cost alternative compared with racked product, while saving time not having to load bulk tips.








Neptune's revolutionary transfer system allows you to reload your empty racks/trays with new tips in a single movement. The patented transfer card is designed to prevent contamination by minimizing the amount of handling when reloading empty racks/trays. The ESP system is available in unfiltered pipette tip reloads

Features:

- › Reload up to 1- trays in 90 seconds
- › Requires 57% less storage than full racks
- › Reuse existing racks/trays
- › Generates 90% less packaging waste

ESP
ENVIRONMENTALLY
SUSTAINABLE PACK

Ordering Information

Range	Product Code	Tip Type	Packaging	Quantity
10 µl Micro Tip Series 	034-63302157	S3	Bulk	1000 tips/bag
	034-63302158	S3	Racked	10 racks of 96/pack
	034-63300508	S3	Pre-Sterile, Racked	10 racks of 96/pack
	034-63302159	S3	ESP Reload	20 racks of 96/pack
10 µl Extended Length Tip Series 	034-63300553	S3	Bulk	1000 tips/bag
	034-63300557	S3	Racked	10 racks of 96/pack
	034-63300558	S3	Pre-Sterile, Racked	10 racks of 96/pack
	034-63302176	S3	ESP Reload	10 racks of 96/pack
10 µl Eppendorf Style Tip Series 	034-63302167	S3	Bulk	1000 tips/bag
	034-63302064	S3	Racked	10 racks of 96/pack
	034-63300544	S3	Pre-Sterile, Racked	10 racks of 96/pack
200 µl Universal Tip Series 	034-63302163	S3	Bulk	1000 tips/bag
	034-63302165	S3	Racked	10 racks of 96/pack
	034-63300534	S3	Pre-Sterile, Racked	10 racks of 96/pack
	034-63302166	S3	ESP Reload	10 racks of 96/pack
300 µl Universal Tip Series 	034-63302160	S3	Bulk	1000 tips/bag
	034-63300518	S3	Racked	10 racks of 96/pack
	034-63300520	S3	Pre-Sterile, Racked	10 racks of 96/pack
	034-63302162	S3	ESP Reload	10 racks of 96/pack
1000 µl Universal Tip Series 	034-63302168	NP	Bulk	1000 tips/bag
	034-63302169	NP	Racked	8 racks of 96/pack
	034-63300549	NP	Pre-Sterile, Racked	8 racks of 96/pack
	034-63302170	NP	ESP Reload	10 cards of 96 tips/pack
1000-1250 µl Extended Length Tip Series 	034-63300563	S3	Bulk	1000 tips/bag
	034-63302178	S3	Racked	8 racks of 96/pack
	034-63300567	S3	Pre-Sterile, Racked	8 racks of 96/pack
	034-63302179	S3	ESP Reload	10 cards of 96 tips/pack

Empty Racks for Bulk & ESP Reload Users

Ordering Information

Product Code	Tip Type	Packaging	Quantity
034-63300800	10ul & 10XL	Empty Rack for Bulk Users	10 rack/pack
034-63300802	20ul – 300ul	Empty Rack for Bulk Users	10 rack/pack
034-63300804	1000ul – 1250ul	Empty Rack for Bulk Users	8 rack/pack
034-63300801	10ul – 300ul	Empty Rack for ESP Reload Users	10 rack/pack
034-63300803	1000ul – 1250ul	Empty Rack for ESP Reload Users	8 rack/pack

Quality

To help you deliver top quality results, we strive to deliver top quality products. This means producing the highest quality lab products that the industry has ever seen.

Our quality process begins long before the manufacturing stage. It starts with understanding your needs. Our production floor is a tightly controlled environment where everything from temperature, humidity and air particulate is monitored. These production measures, coupled with our rigorous inspection requirements, ensure that our products are molded to strict quality specifications, making us the most consistent tip producer in the industry.

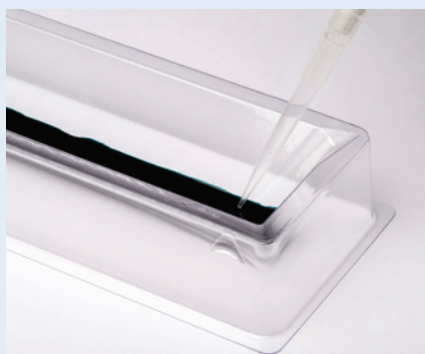
All of our tips, tubes and plates undergo stringent batch testing before making it to your lab. We use a technically superior lot control system to maintain total quality control down to the smallest detail. With Serial Numbering down to the individual tip tray and CV Testing data printed on every box, you can see for yourself the stringency of our process. As a result of these efforts, you are guaranteed the best possible product for your laboratory.

Manufactured in our ISO 9001:2015 certified facility, you can trust them to be free of contaminants such as RNase, DNase, DNA and endotoxins.

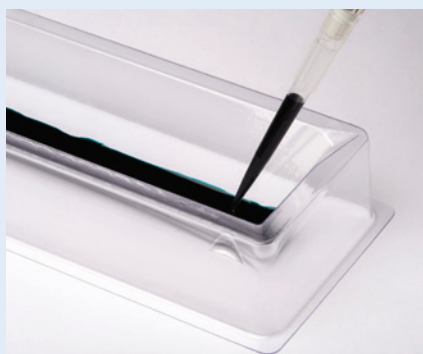
Neptune Scientific

S³ SAMPLE SAVING SURFACE

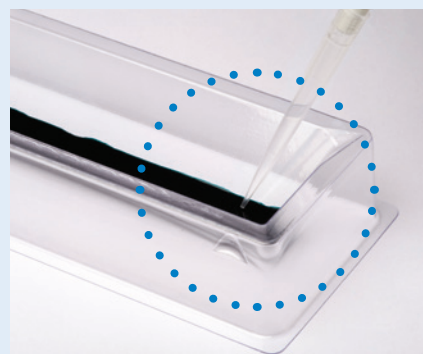
NEPTUNE



Before Pipetting

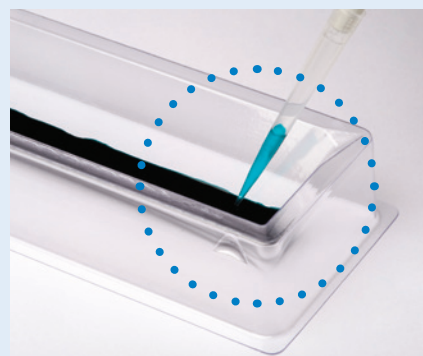
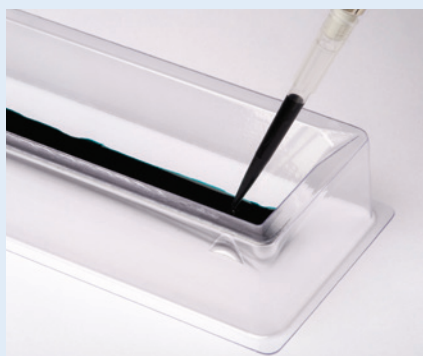
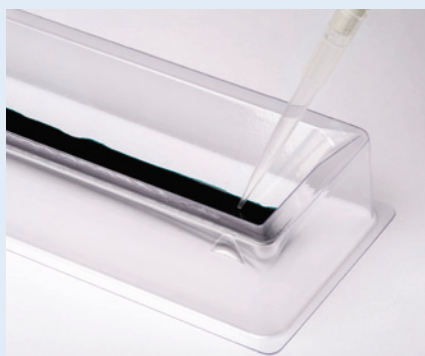


Fluid Drawn



Sample Dispensed

STANDARD POLYMER TIPS



Neptune's exclusive S3 polymer was designed to increase pipetting accuracy by virtually eliminating sample retention. S3 low retention pipette tips deliver volumes within 0.1% of the indicated volume, versus 0.7% for standard polymer tips. This provides more accurate results.

Pipette tips produced from standard polymers will variably retain biological solutions, preventing accurate and repeatable results. Diamond polishing of the mold reduces the number of imperfections, producing a smoother surface. Silicone treatment of tips further reduces retention, but can leach out and interfere with reactions or degrade at autoclaving temperatures.

Neptune was the first to address this challenge with the development of a novel polymer technology that produces a Sample Saving Surface on plastics. Neptune's S3 polymer system results in a surface that virtually eliminates sample hold-up, providing the most accurate and consistent sample delivery possible in the industry.



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