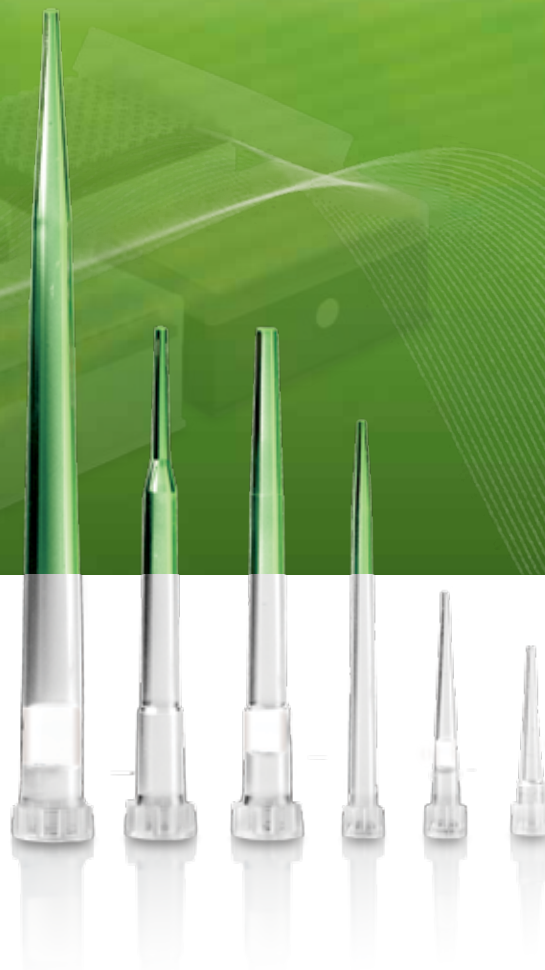




Agilent Automation Solutions Consumables: Pipette Tips

OPTIMAL LIQUID HANDLING PERFORMANCE MADE EASY

The Measure of Confidence



Agilent Technologies

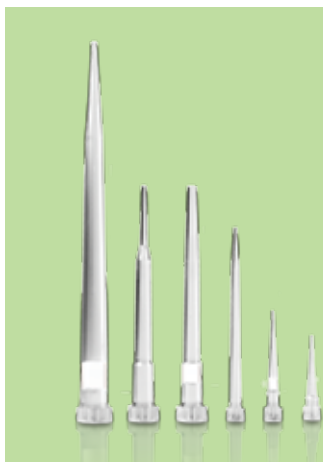
TOOLS THAT DELIVER CONFIDENCE IN MEASUREMENT

Agilent Certified Pipette Tips, working together with Agilent automation instruments, function reliably and predictably in all your experiments.

They have been designed and are validated to provide:

- Optimal performance
- Precise results
- Maximum uptime

In combination with our comprehensive application, technical, and hardware support, Agilent offers the highest quality automation solutions available.



Agilent Automated
Liquid Handlers
and certified
Pipette Tips
work together to
deliver optimal
performance.



Why Use Agilent Pipette Tips?

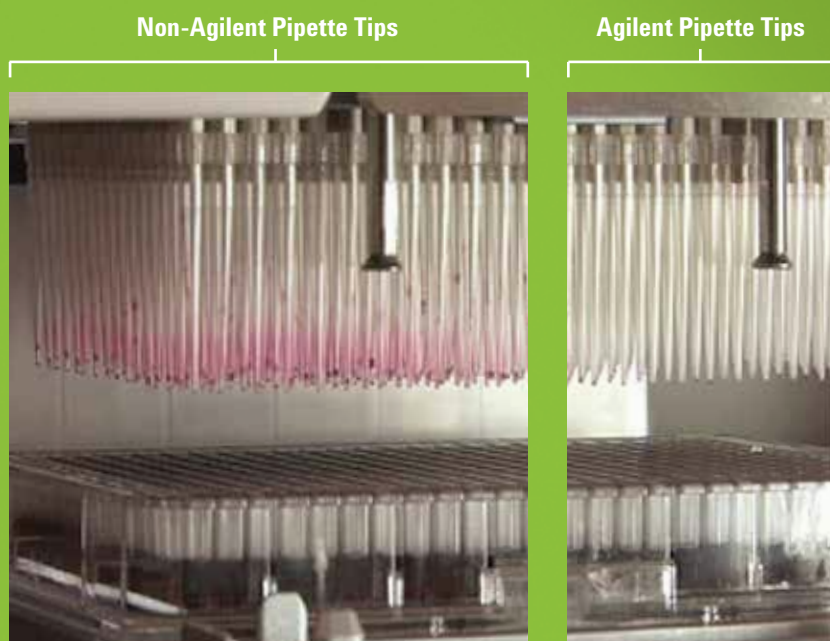
With Agilent Pipette Tips you can minimize the overall pipetting CVs as well as avoid cross-contamination, loss of precious samples, and incomplete transfers that result in erroneous measurements. Ultimately, inaccurate pipetting can cause experimental errors such as missed targets. We do not recommend or support the use of non-Agilent consumables because only Agilent Pipette Tips have been manufactured and tested to our high-quality standards. Agilent's proprietary tips undergo 100% inspection, functional test, as well as 32-point dimensional seal test.

Agilent Pipette Tips Demonstrate Superior Performance

A comparison of retained dye

The photo below illustrates the outcome of a direct comparison of genuine Agilent Disposable Pipette Tips and those produced by another supplier. This performance test used dye to demonstrate liquid remaining in the tips after an aspirate – dispense cycle.

While Agilent Pipette Tips showed almost no fluid retention (right side), the non-Agilent pipette tips (left side) retained a significant amount of the concentrated dye. Liquid retention in a tip can lead to cross contamination and incorrect dilutions, resulting in poor results.



Agilent Pipette tips did not retain any of the pipetted pink dye, demonstrating their superior performance.

Reproducible and Accurate Pipetting

Agilent disposable tips are designed to work across wide volume ranges. On the Agilent Bravo Automated Liquid Handling System, the tips cover a volume range from 300nL to 250uL in 96, 384, and 1536-well formats, where as for Agilent Encore Multispan Liquid Handling System, the volume extends up to 1mL.

While the guarantee system specifications for both Bravo and Encore Multispan Systems are 5% CV and 10 % relative inaccuracy, better results can often be obtained when using Agilent tips.

3.1 % CV for 300 nL volume, and 1.1 % CV for volumes above 2.0 μ L (Bravo 96ST head with Agilent 10 μ L Pipette Tips).

1.8% CV for 10uL volume, and less than 0.5% for volumes 30 uL and above (Encore Multispan with Agilent 1000uL Pipette Tips).

BOOST PRODUCTIVITY AND IMPROVE RESULTS

Agilent Pipette Tips are individual-lot certified to be DNase, RNase, and endotoxin free. They are created with innovative processing and packaging options that reduce static buildup and improve deck space utilization.

Agilent Pipette Tips are available in a wide range of sizes and types in order to meet a variety of experimental needs. Regardless of your application, you can be sure that Agilent offers pipette tips and rack configurations specifically designed for your requirements.



Select the best Agilent Pipette Tips and rack configurations for your application.

Sterile Tips

Agilent Sterile Pipette Tips are designed for sensitive biological applications, such as working with cells, DNA, or RNA. They have been irradiated and packaged to prevent contamination.



Sterile pipette tip rack packaging.

Filtered Tips

Agilent Filtered Pipette Tips are recommended for PCR, NGS, cell biology, and molecular biology applications. They create an effective barrier by using an integrated filter that protects the pipette shaft from aerosols and liquid contaminants. In addition, they significantly reduce errors caused by carryover contamination between microplate wells.



Filtered tips are available in several sizes.

Wide Bore

Agilent Wide Bore Pipette Tips are specifically designed for transferring viscous liquids, fragile cells, DNA, and samples containing large particles or beads. These pipette tips have an orifice that is larger than a standard tip of the same volume.



Comparison between a standard 250 µL tip with 0.61 mm (0.024 in) opening (upper) and a wide bore tip with a 1.52 mm (0.060 in) opening (lower).

Agilent Pipette Tip Orifice Comparison	
Pipette Tip	Orifice Diameter
70 µL Standard	0.36 mm (0.014 in)
70 µL Wide Bore	0.78 mm (0.031 in)
250 µL Standard	0.61 mm (0.024 in)
250 µL Wide Bore	1.52 mm (0.060 in)

Conductive Racks

All pipette tips are susceptible to a static charge resulting from friction encountered during packaging, shipping, or storage in laboratory hotel racks. Tips may be repelled or attracted to surrounding materials, such as the rack above or below. This can lead to a missed tip during pipetting, or a tip mounted at an angle that interferes with liquid dispensing or collection, potentially causing the pipette head to crash.

Agilent's conductive racks include a resin that alleviates the buildup of static charge, delivering reliable results and worry-free walkaway time.



Agilent conductive racks include a resin that alleviates the buildup of static charge.

Nested Tips

Agilent nested pipette tip rack configurations reduce waste and increase free deck space by allowing up to three times as many tips to be stored on the deck and in stacker racks. These pipette racks are shorter and lack lids to reduce plastic waste, an important consideration when handling hazardous materials.

All nested tips are packaged in conductive tip racks to reduce static charge buildup.

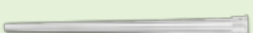




Fifteen nested pipette-tip racks require the same amount of space as five standard pipette-tip racks for the same size tips.

Earth Friendly® Labware Solution

- Produced with over 40% of renewable energy, helping to offset 562 metric tons of greenhouse gases (GHG) like Carbon Dioxide: CO₂.
- All products are made of 100% recyclable materials (including labels) and manufactured at a minimum waste facility.

Agilent Pipette Tip Selection Guide

	Description	Part Number
	10 µL Tips, 384 in rack, Case of 50	10734-202
	10 µL Tips, Sterile, 384 in rack, Case of 50	10734-212
	10 µL Tips, Conductive ¹ , 384 in rack, Case of 50	10734-302
	10 µL Tips, Nested, Conductive, 384 in rack, Case of 90	21740-202
	10 µL Tips, Sterile, Conductive, 384 in rack, Case of 50	10734-312
	10 µL Tips, Nested, Sterile, Conductive, 384 in rack, Case of 90	21740-212
	30 µL Tips, 384 in rack, Case of 50	11484-202
	30 µL Tips, Sterile, 384 in rack, Case of 50	11484-212
	30 µL Tips, Conductive, 384 in rack, Case of 50	11484-302
	30 µL Tips, Nested, Conductive, 384 in rack, Case of 90	21750-202
	30 µL Tips, Sterile, Conductive, 384 in rack, Case of 50	11484-312
	30 µL Tips, Nested, Sterile, Conductive, 384 in rack, Case of 90	21750-212
	30 µL Tips, Sterile Filtered, Conductive, 384 in rack, Case of 50	11484-322
	70 µL Tips, 384 in rack, Case of 50	19133-102
	70 µL Tips, Sterile, 384 in rack, Case of 50	19133-112
	70 µL Tips, Conductive, 384 in rack, Case of 50	19133-202
	70 µL Tips, Sterile, Conductive, 384 in rack, Case of 50	19133-212
	70 µL Tips, Sterile, Filtered, Conductive, 384 in rack, Case of 50	19133-142
	70 µL Tips, Wide Bore, Sterile, Conductive, 384 in rack, Case of 50	19134-012
	70 µL Tips, Wide Bore, Conductive, 384 in rack, Case of 50	19134-002
	70 µL Tips, Wide Bore, Filtered, Sterile, Conductive, 384 in rack, Case of 50	19134-022
	250 µL Tips, 96 in rack, Case of 50	19477-002
	250 µL Tips, Sterile, 96 in rack, Case of 50	19477-012
	250 µL Tips, Filtered, Sterile, 96 in rack, Case of 50	19477-022
	250 µL Tips, Wide Bore, 96 in rack, Case of 50	19477-032
	250 µL Tips, Wide Bore, Sterile, 96 in rack, Case of 50	19477-072
	250 µL Tips, Wide Bore, Filtered, Sterile, 96 in rack, Case of 50	19477-082
	1 mL Tips, 96 in rack, Case of 20	19577-001
	1 mL Tips, Sterile, 96 in rack, Case of 20	19577-002
	1 mL Tips, Sterile, Filtered, 96 in rack, Case of 20	19577-003

¹ Conductive refers to racks only. All conductive racks are black in color.

² For ST head, dimensions of the pipette-tip rack with lid are 8.55 cm (3.37 in) D × 12.78 cm (5.03 in) W × 5.58 cm (2.20 in) H.

³ For LT head, dimensions of the pipette-tip rack with lid are 8.55 cm (3.37 in) D × 12.78 cm (5.03 in) W × 6.24 cm (2.46 in) H.

⁴ For 1mL tips, dimensions of the pipette-tip rack with lid are 8.55 cm (3.37 in) D × 12.78 cm (5.03 in) W × 9.7 cm (3.80 in) H

Volume Range (µL)	Bravo Platform	Encore Multispan	Microplate Access
0.3 – 10	96ST, 384ST ²	•	96, 384, 1536
0.3 – 10	96ST, 384ST	•	96, 384, 1536
0.3 – 10	96ST, 384ST	•	96, 384, 1536
0.3 – 10	96ST, 384ST	•	96, 384, 1536
0.3 – 10	96ST, 384ST	•	96, 384, 1536
0.3 – 10	96ST, 384ST	•	96, 384, 1536
0.5 – 30	96ST, 384ST	•	96, 384, 1536
0.5 – 30	96ST, 384ST	•	96, 384, 1536
0.5 – 30	96ST, 384ST	•	96, 384, 1536
0.5 – 30	96ST, 384ST	•	96, 384, 1536
0.5 – 30	96ST, 384ST	•	96, 384, 1536
0.5 – 30	96ST, 384ST	•	96, 384, 1536
0.5 – 15	96ST, 384ST	•	96, 384, 1536
0.75 – 70	96ST, 384ST	•	96, 384
0.75 – 70	96ST, 384ST	•	96, 384
0.75 – 70	96ST, 384ST	•	96, 384
0.75 – 70	96ST, 384ST	•	96, 384
0.75 – 50	96ST, 384ST	•	96, 384
2.0 – 70	96ST, 384ST	•	96 only
2.0 – 70	96ST, 384ST	•	96 only
2.0 – 50	96ST, 384ST	•	96 only
2.0 – 250	96LT	•	96, 384
2.0 – 250	96LT	•	96, 384
2.0 – 180	96LT	•	96, 384
5.0 – 250	96LT	•	96 only
5.0 – 250	96LT	•	96 only
5.0 – 180	96LT	•	96 only
2.0 – 1,000	N/A	•	96 only
2.0 – 1,000	N/A	•	96 only
2.0 – 850	N/A	•	96 only



Agilent 10 µL pipette tip racks.



Agilent 30 µL pipette tip racks.



Agilent 70 µL pipette tip racks.



Agilent 250 µL pipette tip racks.



Agilent 1 mL pipette tip racks.

Learn more

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