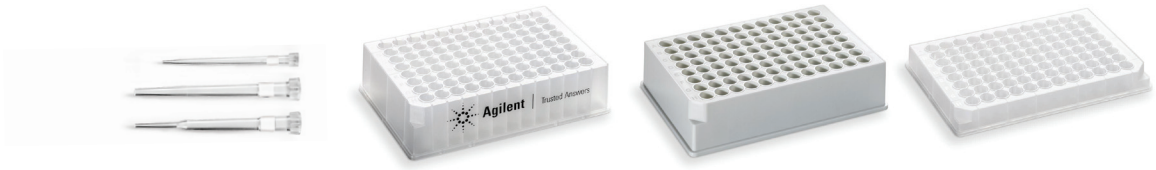
Agilent
Trusted Answers

Maintain Consistency and Minimize Sampling Errors

Microplates and pipette tips for the Bravo liquid handling platform

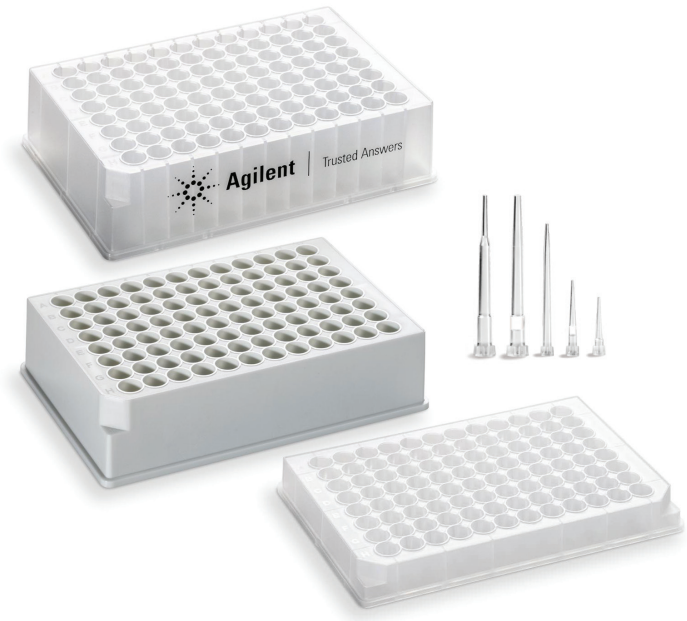


Fewer Variables to Worry About

To successfully integrate automation into your lab, your consumables must work reliably and predictably in all your experiments. Agilent consumables for lab automation are designed and tested for Agilent automation instruments, so you can maximize uptime and avoid sampling errors.

- Superior quality disposable pipette tips ensure precise, accurate liquid transfers without cross-contamination. Every lot undergoes complete QC and functional performance testing and is optimized for the Bravo Automated liquid handling platform and the AssayMAP Bravo heads.
- Validated microplates—including storage/assay microplates and reagent reservoirs—are manufactured with standard features, such as ANSI dimensions, bio-inertness, low binding, and resistance to heat.

Together with our comprehensive application, technical, and hardware support, Agilent automation solutions help your lab simplify sample preparation, reduce manual labor, and maintain reproducibility.



Pipette tips designed with your best results in mind

Consistent experimental results depend on accurate and repeatable liquid dispensing, which itself depends on high-quality pipette tips. Agilent pipette tips are manufactured in a tightly controlled environment (ISO 9001 registered and audited) and are subjected to rigorous testing procedures. Every lot is certified to be:

- Free of detectable DNase and RNase nuclease activity
- Free of endotoxin (pyrogen) contamination
- Free of adenosine triphosphate (ATP)
- Free of human DNA
- Free of protease activity
- Free of heavy metals

A wide range of sizes and configurations to meet your experimental needs

These high-quality pipette tips and rack configurations are constructed based on your applications that use any Bravo head. To reduce static buildup and save bench space, the pipette tips are designed and created with innovative processes and packaging.

Sterile tips

Certified as sterile with a sterility assurance level (SAL) of 10-6, Agilent sterile pipette tips are designed for sensitive biological applications involving cells, DNA, or RNA. They are irradiated and packaged to prevent contamination.

Pipette tip racks are shipped in sterile packaging.

Filtered tips

Filtered pipette tips are best for PCR, NGS, cell biology, and molecular biology applications. They create an effective barrier 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 tips

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

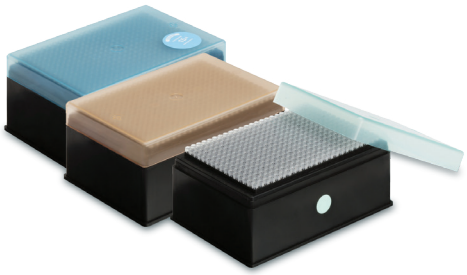
Comparison between a standard 250 µL tip with 0.61 mm (0.024 in) opening (upper) and a wide bore tip with a 1.52 mm (0.060 in) opening (lower).

Agilent Pipette Tip Orifice Comparison

Pipette Tip	Orifice Diameter
70 µL wide bore	0.78 mm (0.031 in)
70 µL standard	0.36 mm (0.014 in)
250 µL wide bore	1.52 mm (0.060 in)
250 µL standard	0.61 mm (0.024 in)

Conductive racks

All pipette tips are susceptible to a static charge from friction encountered during packaging, shipping, or storage in laboratory racks. This charge can cause the tips to be repelled or attracted to surrounding materials, leading to missed or improperly mounted tips. Agilent conductive racks include a resin that alleviates the buildup of static charge, delivering reliable results and worry-free walk-away time.



Keep your pipette tips static-free with Agilent conductive racks.

Nested tips

Reduce waste and gain more free deck space. Agilent nested pipette tip racks allow up to three times as many tips to be stored on the deck or stacked. These conductive racks are lidless and shorter than standard racks, and reduce static charge buildup—all important considerations when handling hazardous materials.

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

Agilent microplates for every workflow

High-quality microplates help you avoid sample rerun and meet critical deadlines. You can count on Agilent, a worldwide leader in design and manufacturing, to supply premium-quality products for your workflows. What's more, our global supply chain means that the products you need will be available when you need them—enabling timely project planning and execution.

Standard microplate features include:

- ANSI dimensions
- Heat-resistant polypropylene
- Bio-inertness
- Low binding
- Raised wells for sealing
- Compatibility with automation

Assay, collection, and storage microplates

Molded with medical-grade, chemical-resistant polymers, these microplates are ideal for reaction chemistries, biological assays, low-temperature storage, and filtrates. Mat seals and lids are available.

Choose from several configurations:

- Well volumes: 58 µL to 10 mL
- Well numbers: 24, 48, 96, and 384
- Microplate heights: 14 to 78 mm
- V, round, flat, and pyramid-bottom geometries
- Irradiated and nonirradiated options

Learn more at **www.agilent.com/lifesciences/storage-assay-microplates**

Polypropylene reservoir microplates

These microplates are recommended for method scale-up and scale-down applications, and for creating design of experiment (DoE) arrays. Each microplate is molded using chemical-resistant polymers to ANSI/SLAS standard footprints, with optimized base geometries to minimize dead volumes.

Several options are available:

- Partition volumes: 2.6 to 300 mL
- Number of partitions: 0 to 24
- Partitions for controls
- Open, column, or row partition geometries
- V-, flat-, and pyramid-bottom geometries
- Irradiated and nonirradiated options

Learn more at **www.agilent.com/lifesciences/reservoir-microplates**

Microplate accessories

Universal lids for microplates are available in clear or black polystyrene resin. In addition, custom cap mats are available for sealing Agilent 24-, 48-, and 96-square well microplates. All custom cap mats are molded in Santoprene, a chemical-resistant thermoplastic elastomer.

Learn more at **www.agilent.com/lifesciences/microplate-lids-seals**

Pipette tip selection guide

Pipette tip racks

	Description	Volume Range (µL)	Bravo Head	Microplate Access	Part Number
	**Agilent 10 µL pipette tip racks**				
	10 µL tips, 384 in rack, case of 50	0.3 to 10	96ST, 384ST	96, 384, 1536	10734-202
	10 µL tips, sterile, 384 in rack, case of 50	0.3 to 10	96ST, 384ST	96, 384, 1536	10734-212
	10 µL tips, conductive, 384 in rack, case of 50	0.3 to 10	96ST, 384ST	96, 384, 1536	10734-302
	10 µL tips, nested, conductive, 384 in rack, case of 90	0.3 to 10	96ST, 384ST	96, 384, 1536	21740-202
	10 µL tips, sterile, conductive, 384 in rack, case of 50	0.3 to 10	96ST, 384ST	96, 384, 1536	10734-312
	10 µL tips, nested, sterile, conductive, 384 in rack, case of 90	0.3 to 10	96ST, 384ST	96, 384, 1536	21740-212
	**Agilent 30 µL pipette tip racks**				
	30 µL tips, 384 in rack, case of 50	0.5 to 30	96ST, 384ST	96, 384, 1536	11484-202
	30 µL tips, sterile, 384 in rack, case of 50	0.5 to 30	96ST, 384ST	96, 384, 1536	11484-212
	30 µL tips, conductive, 384 in rack, case of 50	0.5 to 30	96ST, 384ST	96, 384, 1536	11484-302
	30 µL tips, nested, conductive, 384 in rack, case of 90	0.5 to 30	96ST, 384ST	96, 384, 1536	21750-202
	30 µL tips, sterile, conductive, 384 in rack, case of 50	0.5 to 30	96ST, 384ST	96, 384, 1536	11484-312
	30 µL tips, nested, sterile, conductive, 384 in rack, case of 90	0.5 to 30	96ST, 384ST	96, 384, 1536	21750-212
	30 µL tips, sterile, filtered, conductive, 384 in rack, case of 50	0.5 to 15	96ST, 384ST	96, 384, 1536	11484-322

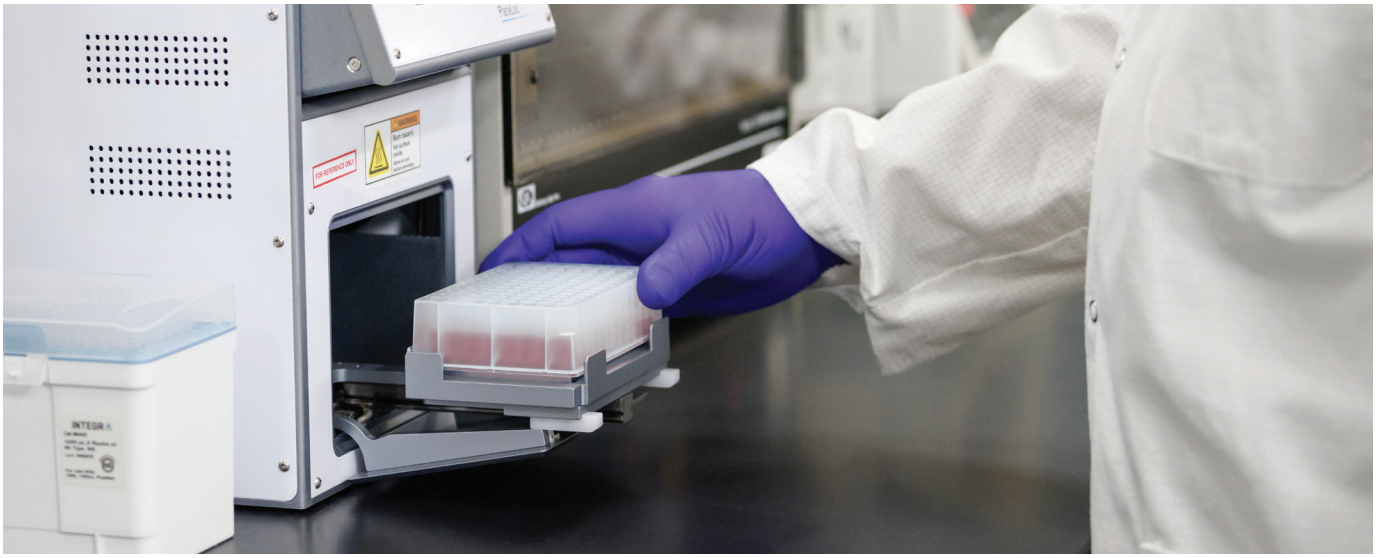
Pipette tip racks *continued*

	Description	Volume Range (µL)	Bravo Head	Microplate Access	Part Number
	**Agilent 70 µL pipette tip racks**				
	70 µL tips, 384 in rack, case of 50	0.75 to 70	96ST, 384ST	96, 384	19133-102
	70 µL tips, sterile, 384 in rack, case of 50	0.75 to 70	96ST, 384ST	96, 384	19133-112
	70 µL tips, conductive, 384 in rack, case of 50	0.75 to 70	96ST, 384ST	96, 384	19133-202
	70 µL tips, sterile, conductive, 384 in rack, case of 50 µL	0.75 to 70	96ST, 384ST	96, 384	19133-212
	70 µL tips, sterile, filtered, conductive, 384 in rack, case of 50	0.75 to 50	96ST, 384ST	96, 384	19133-142
	70 µL tips, wide bore, sterile, conductive, 384 in rack, case of 50	2.0 to 70	96ST, 384ST	96 only	19134-012
	70 µL tips, wide bore, conductive, 384 in rack, case of 50	2.0 to 70	96ST, 384ST	96 only	19134-002
	70 µL tips, wide bore, filtered, sterile, conductive, 384 in rack, case of 50	2.0 to 50	96ST, 384ST	96 only	19134-022
	**Agilent 250 µL pipette tip racks**				
	250 µL tips, 96 in rack, case of 50	2.0 to 250	96LT	96, 384	19477-002
	250 µL tips, sterile, 96 in rack, case of 50	2.0 to 250	96LT	96, 384	19477-012
	250 µL tips, filtered, sterile, 96 in rack, case of 50	2.0 to 180	96LT	96, 384	19477-022
	250 µL tips, wide bore, 96 in rack, case of 50	5.0 to 250	96LT	96 only	19477-032
	250 µL tips, wide bore, sterile, 96 in rack, case of 50	5.0 to 250	96LT	96 only	19477-072
	250 µL tips, wide bore, filtered, sterile, 96 in rack, case of 50	5.0 to 180	96LT	96 only	19477-082

Microplate selection guide

Assay, collection, and storage microplates

Description	Well Volume (mL)	Part Number
 **Agilent 24-well assay/collection/storage plates**		
24-well polypropylene, square well, pyramid bottoms, 44 mm height, case of 25	10	201272-100
24-well polypropylene, square well, round bottoms, 44 mm height, irradiated, case of 25	10	202061-100
24-well polypropylene, square well, round bottoms, 44 mm height, case of 25	10	202061-300
24-well irradiated polypropylene, square well, pyramid bottoms, 44 mm height, case of 25	10	204023-100
 **Agilent 48-well assay/collection/storage plates**		
48-well (6 rows x 8 columns) polypropylene, square well, pyramid bottoms, 44 mm height, case of 25	4.8	201306-100
48-well (8 rows x 6 columns) polypropylene, rectangle well, pyramid bottoms, 44 mm height, case of 25	5	201238-100
48-well (8 rows x 6 columns) metallocene polypropylene, rectangle well, pyramid bottoms, 44 mm height, case of 25	5	203903-100
48-well (8 rows x 6 columns) polypropylene, rectangle well, pyramid bottoms, 44 mm height, irradiated, case of 25	5	204351-100
48-well (8 rows x 6 columns) polypropylene, rectangle well, pyramid bottoms, 68 mm height, case of 15	7.5	201236-100



Assay, collection, and storage microplates *continued*

Description	Well Volume (mL)	Part Number
 **96-well assay/collection/storage plates**		
96-well polypropylene, round well, round bottom, 14.3 mm height, case of 50	0.5	203942-100
96-well polypropylene, round well, round bottom, 14.3 mm height, case of 25	0.5	204600-100
96-well polypropylene, round well, round bottom, 14.3 mm height, irradiated, case of 25	0.5	204601-100
96-well polypropylene, round well, round bottom, 14.3 mm height, irradiated, case of 50	0.5	204602-100
96-well polypropylene, square well, flat bottoms, 19 mm height, case of 50	0.7	201242-100
96-well polypropylene, round well, round bottoms, 32 mm height, case of 25	1	203426-100
96-well polypropylene, round well, round bottoms, 32 mm height, irradiated, case of 25	1	204357-100
96-well polypropylene, round well, round bottoms, 32 mm height, white, case of 25	1	204392-100
96-well polypropylene, square well, V bottoms, 30.6 mm height, case of 25	1.1	201276-100
96-well polypropylene, square well, V bottoms, 30.6 mm height, irradiated, case of 25	1.1	204355-100
96-well polypropylene, square well, pyramid bottoms, 44 mm height, case of 25	2	201240-100
96-well ultrahigh purity polypropylene, square well, pyramid bottoms, 44 mm height, case of 25	2	201379-100
96-well polypropylene, square well, pyramid bottoms, 44 mm height, irradiated, case of 25	2	204353-100
96-well ultrahigh purity polypropylene, square well, pyramid bottoms, 44 mm height, irradiated, case of 25	2	204379-100
 **384-well assay/collection/storage plates**		
384-well polypropylene, square well, spherical bottoms, 14.5 mm height, case of 60	0.058	201288-100
384-well black polypropylene, square well, spherical bottoms, 14.5 mm height, case of 60	0.058	201290-100
384-well polypropylene, square well, spherical bottoms, 14.5 mm height, irradiated, case of 60	0.058	204369-100
384-well polypropylene, square well, spherical bottoms, 19 mm height, case of 10	0.2	204586-100
384-well polypropylene, square well, spherical bottoms, 19 mm height, irradiated, case of 10	0.2	204587-100

Polypropylene reservoir microplates

Description	Cavity Volume (mL)	Part Number
 **Single cavity reservoirs**		
Single cavity polypropylene, 96 pyramids base geometry, 44 mm height, case of 25	300	201244-100
Single cavity black polypropylene, 96 pyramids base geometry, 44 mm height, case of 25	300	201246-100
Single cavity irradiated polypropylene, 96 pyramids base geometry, 44 mm height, case of 25	300	204017-100
Single cavity polypropylene, 12-column base geometry, 44 mm height, case of 25	290	201250-100
Single cavity irradiated polypropylene, 12-column base geometry, 44 mm height, case of 25	290	204093-100
Single cavity polypropylene, 8-row base geometry, 44 mm height, case of 25	290	201252-100
Single cavity polypropylene, 8-row base geometry, 44 mm height, irradiated, case of 25	290	204504-100
Single cavity polypropylene, 384 pyramid base geometry, 44 mm height, case of 25	282	201264-100
Single cavity polypropylene, 384 pyramid base geometry, 30.6 mm height, case of 25	170	201302-100
Single cavity polypropylene, 384 pyramid base geometry, 30.6 mm height, irradiated, case of 25	170	204377-100
Single cavity polypropylene, 12-column base geometry, 30.6 mm height, case of 25	170	200686-100
Single cavity polypropylene, 12-column base geometry, 30.6 mm height, irradiated, case of 25	170	204363-100
Single cavity polypropylene, 384 pyramid base geometry, 19 mm height, case of 25	92	201266-100
Single cavity polypropylene, 384 pyramid base geometry, 19 mm height, irradiated, case of 25	92	204612-100
Single cavity polypropylene, flat base geometry, 19 mm height, case of 25	90	201270-100
Single cavity polypropylene, 96 pyramids base geometry, 19 mm height, case of 25	86	201254-100
Single cavity polypropylene, 96 pyramids base geometry, 19 mm height, irradiated, case of 25	86	204484-100

Polypropylene reservoir microplates *continued*

Description	Cavity Volume (mL)	Part Number
 **2- to 24-column reservoirs**		
2-column polypropylene, 292 mL max, pyramid base geometries, 44 mm height, case of 25	146	203852-100
2-column polypropylene, 292 mL max, pyramid base geometries, 44 mm height, irradiated, case of 25	146	204359-100
3-column polypropylene, 285 mL max, pyramid base geometries, 44 mm height, case of 25	95	204249-100
3-column polypropylene, 285 mL max, pyramid base geometries, 44 mm height, irradiated, case of 25	95	204361-100
4-column polypropylene, 292 mL max, pyramid base geometries, 44 mm height, case of 25	73	201308-100
4-column polypropylene, 292 mL max, pyramid base geometries, 44 mm height, irradiated, case of 25	73	204282-100
6-column polypropylene, 282 mL max, 24 pyramid base geometries, 44 mm height, case of 25	47	201284-100
6-column polypropylene, 282 mL max, 24 pyramid base geometries, 44 mm height, irradiated, case of 25	47	204284-100
12-column polypropylene, 252 mL max, pyramid base geometries, 44 mm height, case of 25	21	201256-100
12-column irradiated polypropylene, 252 mL max, pyramid base geometries, 44 mm height, case of 25	21	204095-100
12-column polypropylene, 84 mL max, pyramid base geometries, 19 mm height, case of 25	7	201280-100
12-column polypropylene, 84 mL max, pyramid base geometries, 19 mm height, irradiated, case of 25	7	204365-100
24-column polypropylene, 78 mL max, pyramid base geometries, 19 mm height, case of 25	3.25	201296-100
24-column polypropylene, 78 mL max, pyramid base geometries, 19 mm height, irradiated, case of 25	3.25	204373-100
 **4- to 16-row reservoirs**		
4-row polypropylene, 292 mL max, pyramid base geometries, 44 mm height, case of 25	73	201312-100
4-row polypropylene, 292 mL max, pyramid base geometries, 44 mm height, irradiated, case of 25	73	204280-100
8-row polypropylene, 256 mL max, pyramid base geometries, 44 mm height, case of 25	32	201260-100
8-row irradiated polypropylene, 256mL max, pyramid base geometries, 44 mm height, case of 25	32	204019-100
8-row polypropylene, 85 mL max, pyramid base geometries, 19 mm height, case of 25	10.6	201282-100
8-row polypropylene, 85 mL max, pyramid base geometries, 19 mm height, irradiated, case of 25	10.6	204367-100
16-row polypropylene, 78 mL max, pyramid base geometries, 19 mm height, case of 25	4.9	201294-100
16-row polypropylene, 78 mL max, pyramid base geometries, 19 mm height, irradiated, case of 25	4.9	204371-100

Polypropylene reservoir microplates *continued*

Description	Part Number
 **Unique 3-, 5-, and 24-cavity reservoirs**	
Unique 3-cavity polypropylene, 2 control wells (7 ml col 24 rows A-L and 2 mL col 24 rows M-P) and 273 mL main, 384 pyramid base geometries, 44 mm height, case of 25	201286-100
Unique 5-cavity polypropylene, 4 control wells (cols 23-24 rows A-H, I-P) of 2.6 mL each and 145 mL main, 384 pyramid base geometries, 30.6 mm height, case of 25	201300-100
Unique 5-cavity polypropylene, 4 control wells (cols 1,2,11,12) of 3.25 mL each and 86.3 mL main, 24 pyramid base geometries, 19 mm height, case of 25	201278-100
Unique 24-cavity polypropylene, 2 rows x 12 columns, 3.5 mL/cavity, 84 mL max, pyramid base geometries, 19 mm height, case of 25	201298-100
Unique 24-cavity polypropylene, 2 rows x 12 columns, 3.5 mL/cavity, 84 mL max, pyramid base geometries, 19 mm height, irradiated, case of 25	204375-100

Need a customized microplate?

Whether your design calls for barcoding, custom packaging, media encapsulation, or unique filter membrane and plate configurations, we will do the work for you.

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