

# Vertex<sup>®</sup>

## Pipette Tips



**The Peak of Pipetting**



# Vertex<sup>®</sup>

The Peak of Pipetting

Vertex<sup>®</sup> Pipette Tips were meticulously designed using a proprietary resin that provides researchers with exceptional liquid handling performance. Even our standard tip range outperforms competitive tips in the areas of release and retention. Plus, thinner walls and finely tapered ends prevent the need to touch-off when pipetting the last drop.

Vertex NoStick<sup>®</sup> Pipette Tips provide the highest level of liquid handling control and performance, through innovative resin chemistry and injection molding expertise.

- ▲ Experience full liquid release—saving precious sample.
- ▲ Eject the sample cleanly and completely—no more waiting for the final drop to fall from the tip.
- ▲ Dispense even viscous samples more easily and completely.

## The performance of Vertex Pipette Tips is only the beginning.

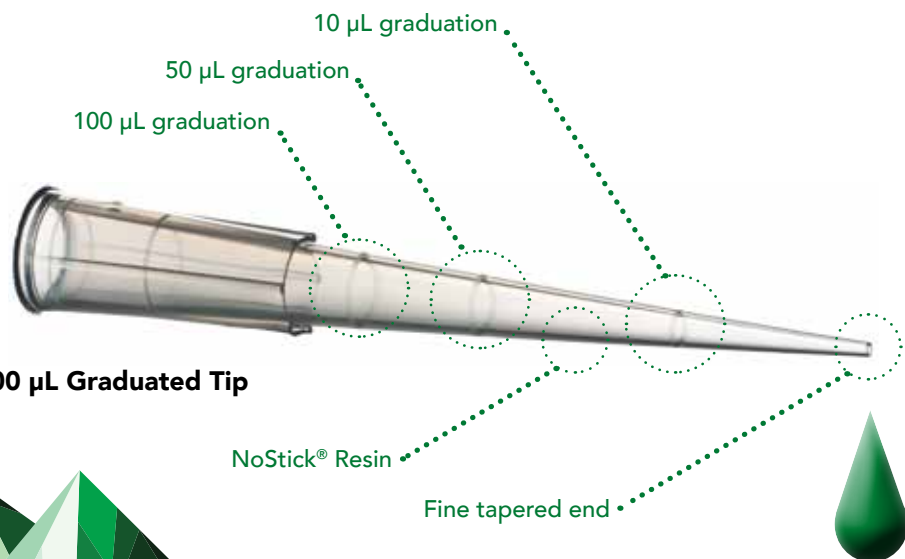
Vertex racks are full of ergonomic innovations that make daily use effortless.

The innovative Vertex EcoPac<sup>®</sup> Refill Systems provide tremendous value while also saving precious lab time and space—and greatly reducing waste!



### With Vertex Pipette Tips, Less Is More!

- ▲ Less fluid retention
- ▲ Less sample loss
- ▲ Less time spent
- ▲ Less plastic wasted



## A Higher Level of Liquid Handling Control

### Clean Liquid Release

Vertex tips deliver a much cleaner liquid release, dispensing all of the sample and improving pipetting accuracy. Plus, less time is spent waiting for the final drop to fall from the end of the tip. Thinner walls and finely tapered ends eliminate the need to touch-off the pipettor. Users will maintain complete fluid control, even when working with smaller volumes, while not compromising the accuracy and precision of their pipetting.

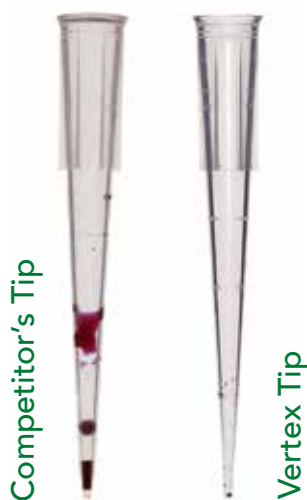


### Low Retention

All Vertex tips are designed to be naturally low-binding, but tips with NoStick® resin are considerably more hydrophobic than standard tips, enabling even viscous fluids to be dispensed more completely.



The NoStick symbol indicates products that are made with proprietary resin technology to facilitate exceptionally clean release.



**Less is more!**

### Filtered Tips

Vertex Filtered Pipette Tips offer an extra level of confidence and control by providing a barrier between the nose cone of the pipettor and the sample.

#### The Vertex Filter Membrane:

- ▲ Manufactured from high-density polyethylene (HDPE).
- ▲ Contains no additives that can contaminate samples if encountered.
- ▲ Provides a barrier against contamination, but will not impede airflow.
- ▲ Hydrophobic properties prevent absorption of samples.



Made in USA

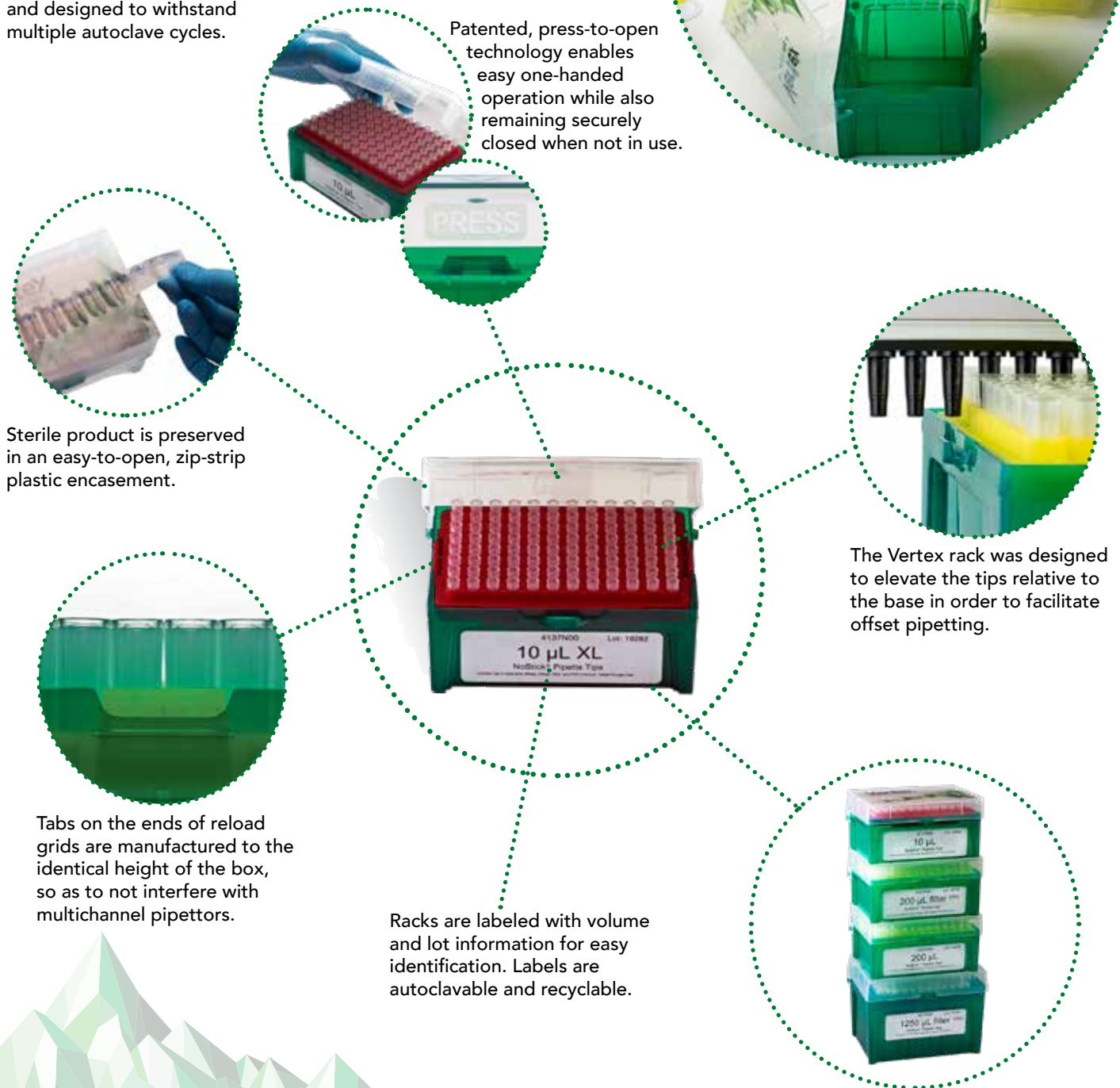
# Vertex EcoPac Refill Systems



Vertex EcoPac® Refill Systems provide handy lift-and-load simplicity, and do not require any tools or special instructions to move from an empty insert to a fresh set of 96 tips. EcoPac Refill Systems are also environmentally friendly, reducing lab waste by 70% and requiring less shelf space than standard racks.

## The Vertex Rack

Vertex racks are made robust and designed to withstand multiple autoclave cycles.



Patented, press-to-open technology enables easy one-handed operation while also remaining securely closed when not in use.

Sterile product is preserved in an easy-to-open, zip-strip plastic encasement.

The Vertex rack was designed to elevate the tips relative to the base in order to facilitate offset pipetting.

Tabs on the ends of reload grids are manufactured to the identical height of the box, so as to not interfere with multichannel pipettors.

Racks are labeled with volume and lot information for easy identification. Labels are autoclavable and recyclable.

The footprint of Vertex racks is suitable for stacking purposes.

# Paper or Plastic? The choice is yours.

Vertex EcoPacs now come in paper and plastic packaging, to suit your application as well as your preferred recycling method.

## EcoPac Benchtop

The EcoPac Benchtop is housed in paperboard packaging that may be preferred by some institutional recycling programs. Inside, you will find tip refills of the highest Vertex quality and NoStick technology.

## EcoPac Cleanroom

The EcoPac Cleanroom Refill System is housed in clean and durable plastic (PET) packaging to protect the tips from damage and eliminate particulate matter.

EcoPac Benchtop



Shrink-wrapped inserts provide an extra level of security and purity.



EcoPac Cleanroom

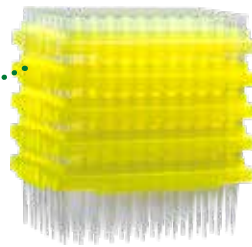


This PET plastic is made of the same 100% recyclable material as soda bottles.

Vertex inserts are produced in volume-specific colors, making them easy to identify and replace.



**Red**  
10 µL  
10 µL XL



**Yellow**  
20 µL\*  
100 µL\*  
200 µL  
300 µL



**Blue**  
1250 µL

EcoPac inserts are imprinted with tip size and lot number data, visible even when seated inside the rack.

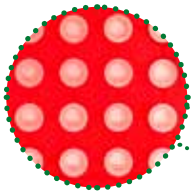
\* Only available in EcoPac Cleanroom, Sterile, Filtered Refills.

# Vertex® Pipette Tips with NoStick® Resin

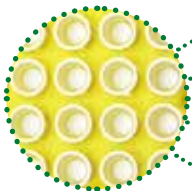


- Manufactured from medical-grade, virgin polypropylene.
- Proprietary NoStick resin technology facilitates clean release.
- Filtered tips feature a hydrophobic HDPE barrier that won't contaminate or impede airflow.
- EcoPac Reload Systems provide a cost-effective, eco-friendly alternative to storing racked product.
- Free of detectable RNase, DNase, DNA, and PCR inhibitors. Sterile versions are also pyrogen-free.

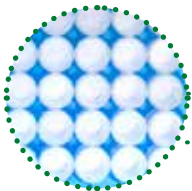
## Grid Colors



Red



Yellow



Blue

Volume	Graduations	Racked <sup>1</sup>	Racked, Sterile <sup>1</sup>	EcoPac Cleanroom <sup>2</sup>	EcoPac Benchtop <sup>3</sup>
<b>Packaging</b>		<b>96 tips/rack, 10 racks/unit, 5 units/case</b>	<b>96 tips/rack, 10 racks/unit, 5 units/case</b>	<b>96 tips/rack, 10 refill inserts/unit, 10 units/case</b>	<b>96 tips/rack, 10 refill inserts/unit, 10 units/case</b>
10 µL	2 & 10 µL	4117N00	4117NS0	4118N00	4115N00
10 µL XL	1, 2 & 10 µL	4137N00	4137NS0	4138N00	4135N00
20 µL	10 µL	-	-	-	-
100 µL	10 & 50 µL	-	-	-	-
200 µL	10, 50 & 100 µL	4237N00	4237NS0	4238N00	4235N00
300 µL	10, 50, 100 & 200 µL	4927N00	4927NS0	4928N00	4925N00
<b>Packaging</b>		<b>96 tips/rack, 10 racks/unit, 5 units/case</b>	<b>96 tips/rack, 10 racks/unit, 5 units/case</b>	<b>96 tips/rack, 10 refill inserts/unit, 5 units/case</b>	<b>96 tips/rack, 8 refill inserts/unit, 5 units/case</b>
1000 µL	100, 500 & 1000 µL	4337N00	4337NS0	-	-
1250 µL	100, 500 & 1000 µL	4347N00	4347NS0	4348N00	4345N00

1 Racked

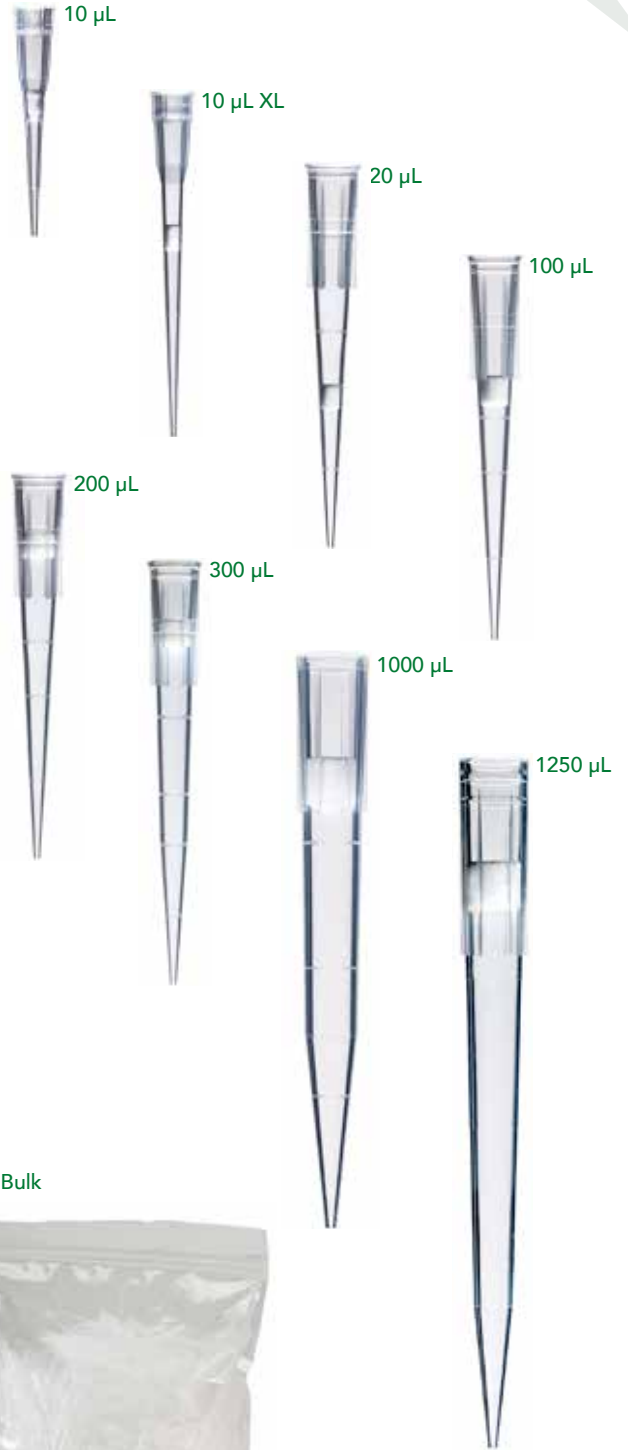


2 EcoPac Cleanroom



Filtered tips shown in actual size.

Racked, Sterile, Filtered <sup>4</sup>	EcoPac Cleanroom Sterile, Filtered	Bulk <sup>5</sup>	Bulk, Filtered
96 tips/rack, 10 racks/unit, 5 units/case	96 tips/rack, 2 refill inserts/unit, 25 units/case	1000 tips/unit, 10 units/case	1000 tips/unit, 10 units/case
4117NSF	4118NSF	4110N00	4110N0F
4137NSF	4138NSF	4130N00	-
4237NAF	4238NAF	-	-
4237NBF	4238NBF	-	-
4237NSF	4238NSF	4230N00	4230N0F
4927NSF	4928NSF	4920N00	-
96 tips/rack, 10 racks/unit, 5 units/case	96 tips/rack, 2 refill inserts/unit, 15 units/case	1000 tips/unit, 10 units/case	1000 tips/unit, 10 units/case
4337NSF	4338NSF	4330N00	4330N0F
4347NSF	4348NSF	4340N00	-



4 Racked, Filtered



5 Bulk



3 EcoPac Benchtop



Tips shown in actual size.

## Standard Pipette Tips

Vertex Standard Tips are suitable for applications or samples that do not require the ultra-low retention properties of tips made with NoStick resin.

- ▲ Manufactured from virgin polypropylene to ensure purity and provide excellent optical clarity.
- ▲ Universal fit to accommodate most pipettor brands.
- ▲ Available in racks, reloads, and bulk.
- ▲ Free of detectable RNase, DNase, DNA, and PCR inhibitors. Sterile versions are also pyrogen-free.

Item #	Volume	Description	Color	Packaging <sup>1</sup>
4110-00	10 µL	Gilson-fit, Bulk	Natural	1000 tips/unit, 10 units/case
4130-00	10 µL XL	Bulk	Natural	1000 tips/unit, 10 units/case
4220-00	200 µL	Beveled, Bulk	Natural	1000 tips/unit, 20 units/case
4220-06	200 µL	Beveled, Bulk	Yellow	1000 tips/unit, 20 units/case
4227-00	200 µL	Beveled, Racked	Natural	10 racks/unit, 5 units/case
4227-06	200 µL	Beveled, Racked	Yellow	10 racks/unit, 5 units/case
4227-S0	200 µL	Beveled, Racked, Sterile	Natural	10 racks/unit, 5 units/case
4227-S6	200 µL	Beveled, Racked, Sterile	Yellow	10 racks/unit, 5 units/case
4228-00	200 µL	EcoPac Cleanroom, Beveled 	Natural	10 refill inserts/unit, 10 units/case
4228-06	200 µL	EcoPac Cleanroom, Beveled 	Yellow	10 refill inserts/unit, 10 units/case
4330-01	1000 µL	Bulk	Blue	1000 tips/unit, 10 units/case
4337-01	1000 µL	Racked	Blue	10 racks/unit, 5 units/case
4337-S1	1000 µL	Racked, Sterile	Blue	10 racks/unit, 5 units/case

<sup>1</sup>Racks and EcoPac Refill Inserts contain 96 tips each.





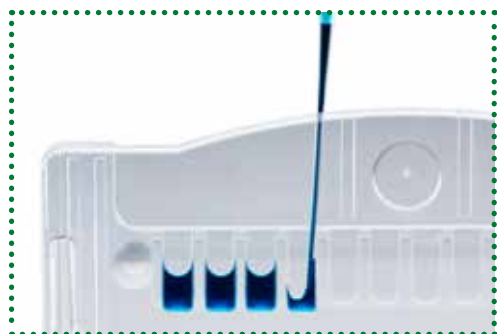
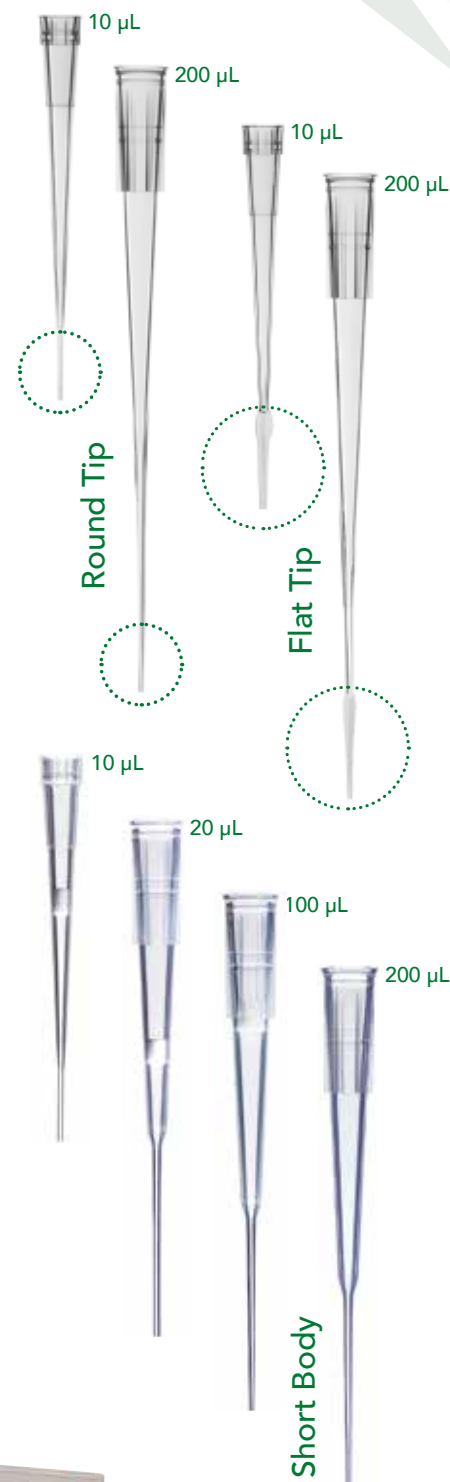
# Vertex-GL Gel-Loading Tips

Vertex-GL gel-loading pipette tips are designed for precise and accurate sample loading into vertical or horizontal gels.

- ▲ Round or flat tip options to suit most applications.
- ▲ Shorter-body 200 µL available in bulk packaging.
- ▲ Patented press-to-open racks provide easy, one-handed opening.
- ▲ Compatible with standard pipettors.
- ▲ Multichannel-friendly with a standard 96-tip arrangement.
- ▲ Free of detectable RNase, DNase, DNA, and PCR inhibitors. Sterile versions are also pyrogen-free.

Item #	Volume	Description	Outer Diameter	Tip Length	Packaging <sup>1</sup>
4817-00 4817-S0	10 µL	Round Tip, Racked Round Tip, Racked, Sterile	0.57 mm	52 mm	2 racks/unit, 5 units/case
4817-0A 4817-SA	10 µL	Flat Tip, Racked Flat Tip, Racked, Sterile	0.37 mm	52 mm	2 racks/unit, 5 units/case
4817-0B 4817-SB	10 µL	Flat Tip, Racked Flat Tip, Racked, Sterile	0.17 mm	52 mm	2 racks/unit, 5 units/case
4817-SF	10 µL	Round Tip, Filtered, Racked, Sterile	0.57 mm	52 mm	2 racks/unit, 5 units/case
4847-AF	20 µL	Round Tip, Filtered, Short Body, Racked, Sterile	0.57 mm	68 mm	2 racks/unit, 5 units/case
4847-BF	100 µL	Round Tip, Filtered, Short Body, Racked, Sterile	0.57 mm	68 mm	2 racks/unit, 5 units/case
4837-00 4837-S0	200 µL	Round Tip, Racked Round Tip, Racked, Sterile	0.57 mm	83 mm	2 racks/unit, 5 units/case
4837-0A 4837-SA	200 µL	Flat Tip, Racked Flat Tip, Racked, Sterile	0.37 mm	83 mm	2 racks/unit, 5 units/case
4837-0B 4837-SB	200 µL	Flat Tip, Racked Flat Tip, Racked, Sterile	0.17 mm	83 mm	2 racks/unit, 5 units/case
4840-00	200 µL	Round Tip, Short Body, Bulk	0.57 mm	68 mm	1000/bag, 10 bags/case
4847-00 4847-S0	200 µL	Round Tip, Short Body, Racked Round Tip, Short Body, Racked, Sterile	0.57 mm	68 mm	2 racks/unit, 5 units/case

<sup>1</sup>Racks contain 96 tips each.



## Specialty Tips

### Multi-Volume XL Pipette Tip – *One Tip Does It All!*



- ▲ Graduations at 10, 50, 100, 150 and 200  $\mu\text{L}$  – eliminate the need to keep multiple tips in inventory.
- ▲ Universal fit for compatibility with most major pipettor brands.
- ▲ Filter placement is optimized to accommodate 20, 100 and 200  $\mu\text{L}$  pipettors; non-filtered tips are also compatible with 300  $\mu\text{L}$  pipettors.
- ▲ Extended length (91 mm / 3.58 in) to easily reach the bottom of 12 x 75mm tubes without risking contamination to the pipettor nose cone.
- ▲ Vertex NoStick resin technology creates a low-binding surface for maximum sample recovery.
- ▲ Available in standard 8 x 12 rack format.
- ▲ Free of detectable RNase, DNase, DNA, and PCR inhibitors. Sterile versions are also pyrogen-free.

Item #	Max Volume	Description	Color	Packaging
4280N00	300 $\mu\text{L}$	Multi-Volume XL, Bulk	Natural	1000 tips/unit, 10 units/case
4287N00	300 $\mu\text{L}$	Multi-Volume XL, Racked	Natural	96 tips/rack, 2 racks/unit, 5 units/case
4287NS0	300 $\mu\text{L}$	Multi-Volume XL, Racked, Sterile	Natural	96 tips/rack, 2 racks/unit, 5 units/case
4287NSF	200 $\mu\text{L}$	Multi-Volume XL, Racked, Sterile, Filtered	Natural	96 tips/rack, 2 inserts/unit, 5 units/case



### Large Orifice (Wide Bore) Tips

- ▲ Larger opening prevents cell fragmentation due to shearing.
- ▲ Ideal for pipetting of macromolecules and viscous samples.
- ▲ Inside diameter at tip end is 0.06 in (1.6 mm).
- ▲ Free of detectable RNase, DNase, DNA, and PCR inhibitors. Sterile versions are also pyrogen-free.

Item #	Volume	Description	Color	Packaging
4290-00	200 $\mu\text{L}$	Large Orifice Tips, Bulk	Natural	1000 tips/unit, 10 units/case
4297-00 4297-S0	200 $\mu\text{L}$	Large Orifice Tips, Racked Large Orifice Tips, Racked, Sterile	Natural	96 tips/rack, 10 racks/unit, 5 units/case
4390-00	1 mL	Large Orifice Tips, Bulk	Natural	1000 tips/unit, 10 units/case
4397-00 4397-S0	1 mL	Large Orifice Tips, Racked Large Orifice Tips, Racked, Sterile	Natural	96 tips/rack, 10 racks/unit, 5 units/case



# Specialty Tips

Tips shown in actual size.

## Macro Tips

- ▲ Improved accuracy over serological pipettes when measuring large volumes of solution.
- ▲ Tip length facilitates access into bottles, cell culture flasks and tubes.
- ▲ Free of detectable RNase, DNase, DNA, and PCR inhibitors. Sterile versions are also pyrogen-free.

Item #	Volume	Description	Color	Packaging
4410-00	5 mL	Gilson-Fit, Bulk	Natural	250 tips/unit, 10 units/case
4420-00	5 mL	Eppendorf-Fit, Bulk	Natural	250 tips/unit, 10 units/case
4411-00	5 mL	Gilson-Fit, Racked	Natural	50 tips/unit, 10 units/case
4421-00	5 mL	Eppendorf-Fit, Racked	Natural	50 tips/rack, 10 racks/case
4411-S0	5 mL	Gilson-Fit, Racked, Sterile	Natural	50 tips/unit, 10 units/case
4421-S0	5 mL	Eppendorf-Fit, Racked, Sterile	Natural	50 tips/unit, 10 units/case
4411-SF	5 mL	Gilson-Fit, Racked, Sterile, Filtered	Natural	50 tips/unit, 10 units/case
4421-SF	5 mL	Eppendorf-Fit, Racked, Sterile, Filtered	Natural	50 tips/unit, 10 units/case
4520-01	10 mL	Bulk	Blue	200 tips/unit, 5 units/case
4530-00	10 mL	Gilson-Fit, Bulk	Natural	200 tips/unit, 5 units/case
4521-01	10 mL	Racked	Blue	25 tips/unit, 10 units/case
4531-00	10 mL	Gilson-Fit, Racked	Natural	25 tips/unit, 10 units/case
4521-S1	10 mL	Racked, Sterile	Blue	25 tips/unit, 10 units/case
4531-S0	10 mL	Gilson-Fit, Racked, Sterile	Natural	25 tips/unit, 10 units/case
4531-SF	10 mL	Gilson-Fit, Racked, Sterile, Filtered	Natural	25 tips/unit, 10 units/case



# Vertex Pipette Tips



## Innovations for Life Science

For more than 25 years, Scientific Specialties, Inc. has focused on bringing innovative, high-quality plasticware to life science. From the initial concept of a product to its finished form, all aspects of the design, production, and final inspection are controlled by processes that are ISO-9001-certified.

Vertex Pipette Tips are produced in a fully-automated, climate-controlled cleanroom environment that is unparalleled in our industry. This ensures that The Peak of Pipetting promise is fulfilled in a product that is uniform, pure and worthy of your trust—every tip; every time.



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