

Pipette Tips and Filter Tips

NEW!

BRAND Pipette tips and filter tips are manufactured in a cleanroom under the most modern production conditions. They are automatically rack packed and packaged to ensure consistently high quality.

- High-purity polypropylene, free from DiHMDA and oleamide
- Manufactured without lubricants
- Cadmium-free pigments
- Graduation for a quick volume check
- All rack-packed tips and filter tips up to 1000µL are free of DNA (<40fg), RNase (<8.6fg), endotoxins (<1pg) and ATP (<1fg)
- Autoclavable at 121°C (2bar), acc. DIN EN 285
- Environmentally friendly packaging systems
- CE-marked according to IVD-Directive 98/79 EC
- BIO-CERT® tips are sterile according to ISO 11 137 and the AAMI guidelines; a SAL of 10⁻⁶ is obtained.

**Superior Quality Tips.
Priced for Value.**



High Quality Tips

Pipette tips are the most frequently used disposables in the laboratory. As laboratory tests have become increasingly sensitive, tip requirements have become more stringent over time. From the raw materials, to the molding machines, and quality control procedures, many parameters need to be considered to meet the highest standards for research and standardized applications.

For the manufacturing of pipette tips and filter tips, BRAND exclusively uses raw materials that are free from the additives di(2-hydroxyethyl) methyl dodecyl ammonium (DiHEMA) and 9-octadecenamide (oleamide). These additives are often found in raw polypropylene, and can interfere with biological tests, leading to false results. Only highly polished molds are used, so that no parting agents or demolding aids are needed.



One of the world's largest cleanroom facilities



BRAND disposable items for the life sciences are produced using the most advanced cleanroom techniques in one of the world's largest cleanrooms for laboratory disposable items. The ongoing cleanroom monitoring includes continuous measurements of air particulates, positive air pressure, air exchange rate, room temperature, and the relative humidity, among other things. This ensures that the actual parameters can immediately be checked against the nominal values. Deviations are detected immediately and suitable countermeasures can be taken before the limit values are exceeded. The high-precision control of environmental conditions provides a very high degree of stability in the corresponding parameters, especially the room temperature. This uniformity, together with quality testing of the final product by batch, guarantees the consistently high quality in the life science products from BRAND. For the production of disposable items, Class 8, 7, and 5 cleanrooms are available, all validated according to ISO 14 644-1. Compliance with ISO 14 644-1 is certified by external, independent auditors.

New packaging options

TipBox/TipRefill System

Transparent window

For easy visual inspection.

Usable with a partially loaded multichannel pipette

The rimless tip-tray border enables problem-free loading of individual pipette tips with multichannel instruments.

Colored tip-trays with side panel labeling

The contents of the box are always clearly visible.

Dual function hinged and push-on lid

Simply rotate 180° to change closure method.

No deflection during tip loading

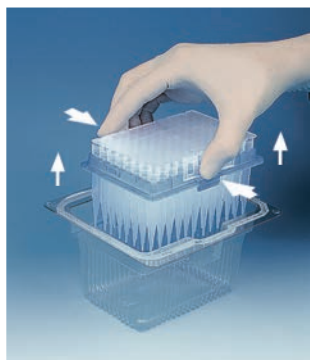
The tip-tray is fabricated from especially rigid polypropylene.

Opening and closing with one hand

The clamping mechanism holds the tip-tray securely in the box.



Sterile reloading



Press the long sides of the transfer aid together and continue pressing them together while withdrawing the tip-tray. Ensure that the holding straps for the transfer aid are correctly positioned.



Insert the filled tip-tray perpendicularly from above into the previously sterilized TipBox until it locks into place.



Remove the transfer aid from the mounting plate. Finished – all without tip contact!

Dual function lid



TipBox features a unique dual function lid design. To change closure method from hinged to push-on, simply remove lid and rotate 180 degrees.

TipRefill, TipStack™ and Transfer Aid

TipRefill

Compared to the filled TipBoxes, the amount of waste with the new refill units is reduced by over 20%. All pipette tips and filter tips up to 1000µL are free of DNA, RNases, endotoxins and ATP (for detailed information see page 12). TipRefills in BIO-CERT® quality are sterile according to ISO 11 137 and the AAMI guidelines, a SAL of 10⁻⁶ is obtained. These racks are supplied with a transfer aid that enables simple, contamination-free transfer into a previously sterilized TipBox. Product information is printed on one side of all tip-trays

**TipStack™**

A tip tower containing 5 filled tip-trays and a TipBox constitute the new, space-saving refill system for 20µL, 200µL and 1000µL tips. Tightly sealing spacers prevent the tips from getting stuck together, and ensure them to be free from DNA, RNases, endotoxins and ATP. The sterile TipStacks (BIO-CERT® quality) are supplied with a transfer aid for contamination-free use in a previously sterilized TipBox

- All components are recyclable
- Reduced amount of waste
- Sterilizable and reusable TipBox
- High purity of the pipette tips and filter tips
- Space-saving design

**TipRefills NEW!**
sterile and non-sterile

For TipBox. Refill unit, protected in an environmentally compatible packaging of recyclable PET. Sterile TipRefills are supplied with a transfer aid for sterile handling when inserting into a previously autoclaved box.

Bulk packed in bags,
non-sterile

All tips and filter tips are produced under supervised state-of-the-art clean-room conditions and automatically shrink-wrapped in reclosable bags and packaged in cardboard boxes. The batch number is printed on every bag.

TipBox NEW!
sterile and non-sterile

Polypropylene with hinged lid/push-on lid. Stackable and repeatedly autoclavable at 121°C (2bar), acc. DIN 285. (Empty tip box, ordering information see page 18)

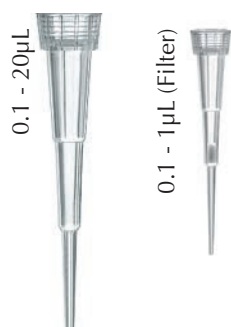
TipBox 5/10mL,
non-sterile

The 5mL and 10mL tips are only available in the TipBox configuration.

TipStack™ NEW!
sterile and non-sterile

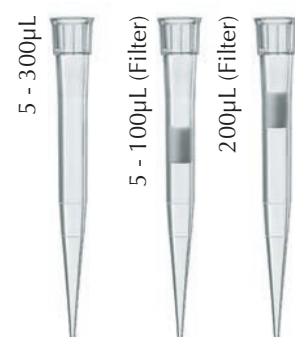
Space-saving, environmentally compatible refill system for TipBox. 5 racks, of 96 tips and 1 TipBox. Sterile TipStacks are supplied with a transfer aid for sterile handling when inserting into a previously autoclaved box.

Pipette Tip Size & Descriptions



0.1 - 20µL 0.1 - 1µL (Filter)

The nano-cap™ tip was specially developed for the nanoliter range and hence is ideal for molecular biological applications such as PCR. It is 37mm long, and features a capillary rise that is even visible to the naked eye at 0.1µL. The capillary part of the tip conveniently fills gel wells for gel electrophoresis systems from most manufacturers. Suitable for pipettes up to 20µL. The racked tips are colorless and placed into a grey-colored tip tray.



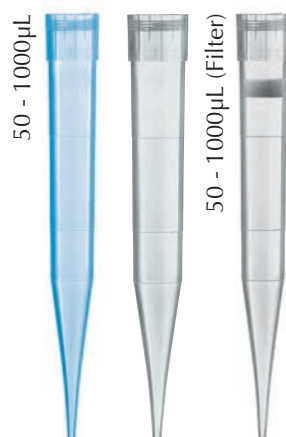
5 - 300µL **NEW!** 5 - 100/200µL (Filter)

The thin-walled tip is suitable for reverse pipetting and plate washing. It is 53mm long and can also be used for pipettes with yellow color code. It is particularly suited for working with multichannel pipettes. Graduation at 50 and 100 for quick volume check. The racked tips are colorless and placed into a green-colored tip tray.



0.5 - 20µL 0.5 - 10µL (Filter)

The slender design and 46mm length allow pipetting in microtubes and microplates without touching the walls. Graduation at 2µL and 10µL for quick volume check. The racked tips are colorless and placed into a grey-colored tip tray.



50 - 1000µL 50 - 1000µL (Filter)

Proven thin-walled tip for routine laboratory and research pipetting. Its length is 70mm. Graduation at 250, 500 and 1000µL for a quick volume check. Bulk tips are blue colored. The racked tips are colorless and placed into a blue-colored tip tray.



1 - 50µL 1 - 20µL (Filter) **NEW!**

With a length of 50mm, the tip is ideal for working down to the bottom of narrow containers. Graduation at 2.5, 10, 25 and 50µL for quick volume check. The racked tips are colorless and placed into a grey-colored tip tray.



2 - 200µL 2 - 20µL (Filter)

A tested and proven thin-walled tip. Lighter in weight, 50mm long and can be used for virtually all pipettes with yellow color code. Graduation at 20µL and 100µL for quick volume check. Bulk tips are yellow colored. The racked tips are colorless and placed into a yellow-colored tip tray.

0.5 - 5mL

Particularly slender shape, at 160 mm length and approx. 9.6mm diameter! This allows pipetting even from narrow volume measuring equipment such as volumetric flasks with NS 12/21. Suitable for microliter pipette Transferpette® and Thermo Fisher Scientific FINNPIPETTE®.



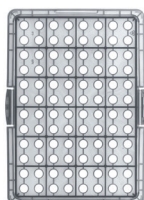
1 - 10mL

156.5mm length and approx. 15mm diameter! Ideal for working with the microliter pipette Transferpette® S 10mL. Compatible with Eppendorf® systems.

Pipette Tips

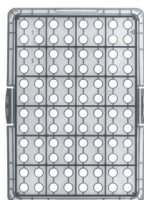
ORDERING INFORMATION

0.1 - 20µL



	Quantity	Pack of	Non-Sterile Cat. No.	2014 List Price	Sterile Cat. No.	2014 List Price
Pipette tips, 0.1-20µL				Non-Sterile		Sterile
bulk	2000	2 bags, 1000 each	732002	\$91.00	—	—
bulk, xxl	10000	10 bags, 1000 each	732022	384.00	—	—
Tip-Refill	960	10 TipRefills, 96 each	732102	104.00	732122	\$158.00
TipBox	480	5 boxes, 96 each	732202	77.00	—	—
TipBox Sterile	960	10 boxes, 96 each	—	—	732222	158.00

0.5 - 20µL



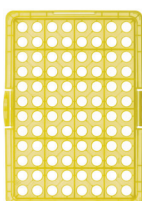
	Quantity	Pack of	Non-Sterile Cat. No.	2014 List Price	Sterile Cat. No.	2014 List Price
Pipette tips, 0.5-20µL				Non-Sterile		Sterile
bulk	2000	2 bags, 1000 each	732004	70.00	—	—
bulk, xxl	10000	10 bags, 1000 each	732024	297.00	—	—
Tip-Refill	960	10 TipRefills, 96 each	732104	51.00	732124	139.00
TipBox	480	5 boxes, 96 each	732204	30.00	—	—
TipBox Sterile	960	10 boxes, 96 each	—	—	732224	139.00
TipStack™	960	2x5 refills, 96 each	732244	88.00	732264	139.00

1 - 50µL



	Quantity	Pack of	Non-Sterile Cat. No.	2014 List Price	Sterile Cat. No.	2014 List Price
Pipette tips, 1 -50µL				Non-Sterile		Sterile
bulk	2000	2 bags, 1000 each	732006	70.00	—	—
bulk, xxl	10000	10 bags, 1000 each	732026	297.00	—	—
Tip-Refill	960	10 TipRefills, 96 each	732106	51.00	732126	139.00
TipBox	480	5 boxes, 96 each	732206	30.00	—	—
TipBox Sterile	960	10 boxes, 96 each	—	—	732226	139.00

2 - 200µL



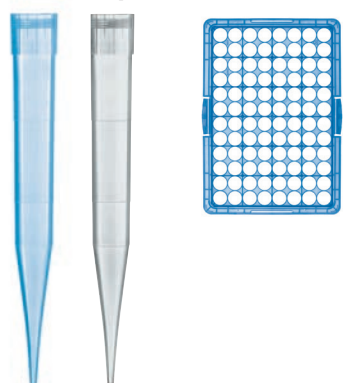
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Pipette tips, 2-200µL (bulk tips are yellow colored)				Non-Sterile		Sterile
bulk	1000	1 bag, 1000 each	732008	19.00	—	—
bulk, xxl	10000	10 bags, 1000 each	732028	142.00	—	—
Tip-Refill	960	10 TipRefills, 96 each	732108	35.00	732128	105.00
TipBox	480	5 boxes, 96 each	732208	23.00	—	—
TipBox Sterile	960	10 boxes, 96 each	—	—	732228	105.00
TipStack™	960	2x5 refills, 96 each	732248	39.00	732268	105.00

Pipette Tips

5 - 300µL

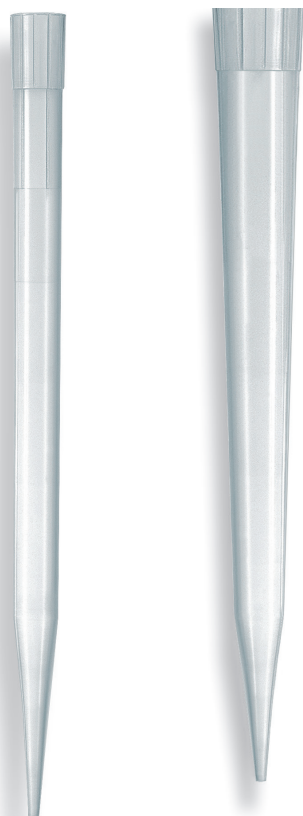


50 - 1000µL



0.5 - 5mL

1 - 10mL



ORDERING INFORMATION

	Quantity	Pack of	Non-Sterile Cat. No.	2014 List Price	Sterile Cat. No.	2014 List Price
Pipette tips, 5 – 300µL				Non-Sterile		Sterile
bulk	1000	1 bag, 1000 each	732010	\$28.00	—	—
bulk, xxl	10000	10 bags, 1000 each	732030	209.00	—	—
Tip-Refill	960	10 TipRefills, 96 each	732110	82.00	732130	\$106.00
TipBox	480	5 boxes, 96 each	732210	50.00	—	—
TipBox Sterile	960	10 boxes, 96 each	—	—	732230	106.00

Pipette tips, 50 – 1000µL (bulk tips are blue colored)

				Non-Sterile		Sterile
bulk	1000	2 bags, 500 each	732012	21.00	—	—
bulk, xxl	5000	10 bags, 500 each	732032	78.00	—	—
Tip-Refill	960	10 TipRefills, 96 each	732112	49.00	732132	179.00
TipBox	480	5 boxes, 96 each	732212	37.00	—	—
TipBox Sterile	960	10 boxes, 96 each	—	—	732232	184.00
TipStack™	960	2x5 refills, 96 each	732252	100.00	732272	184.00

Pipette tips, 0.5 – 5mL

				Non-Sterile		Sterile
bulk	200	1 bag, 200 each	702595	41.00	—	—
bulk, xxl	1000	5 bags, 200 each	702600	193.00	—	—
TipBox 5mL	28	1 box, 28 each	702605	43.00	—	—

Pipette tips, 1 – 10mL

				Non-Sterile		Sterile
bulk	200	2 bags, 100 each	702603	81.00	—	—
bulk, xxl	1000	10 bags, 100 each	702604	364.00	—	—
TipBox 10mL	18	1 box, 18 each	702608	85.00	—	—

TipBox, with tip-tray, empty



ORDERING INFORMATION

	Cat. No.	2014 List Price
TipBox, with tip-tray PP, stackable, pack of 1		
up to 20µL	732990	\$4.60
for 200µL	732992	4.60
for 300µL	732994	4.60
for 1000µL	732996	4.60

Filter Tips



Non-self-sealing filter tips from BRAND have a PE filter that is free from chemical additives. Permeability is controlled by the combination of pore size and filter length, so that no aerosols can reach the pipette shaft. These filters function with consistent reliability. On the other hand, liquids can pass very slowly should they accidentally contact the filter. Since the filter does not

swell as in the case of self-sealing filter tips, the sample can be recovered from the filter by simply actuating the pipette's blow-out function, or by centrifugation if necessary. This is clearly an important advantage of non-self-sealing filters, especially when working with valuable samples. As an added advantage, the absence of filter additives protects samples from contamination.

0.1 - 1µL (Filter)



ORDERING INFORMATION

	Quantity	Pack of	Sterile Cat. No.	2014 List Price
Filter tips, 0.1 – 1µL				
TipRefill	960	10 Tip Refills, 96 each	732622	\$215.00
TipBox Sterile	960	10 boxes, 96 each	732722	328.00

0.5 - 10µL (Filter)



Filter tips, 0.5 – 10µL

TipRefill	960	10 Tip Refills, 96 each	732624	193.00
TipBox Sterile	960	10 boxes, 96 each	732724	239.00

1 - 20µL (Filter)

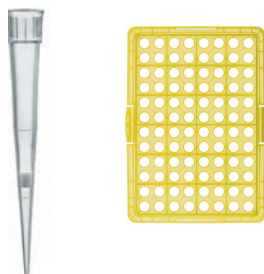


Filter Tips, 1 – 20µL

TipRefill	960	10 Tip Refills, 96 each	732626	193.00
TipBox Sterile	960	10 boxes, 96 each	732726	239.00

Filter Tips

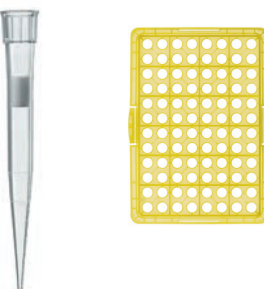
2 – 20µL (Filter)



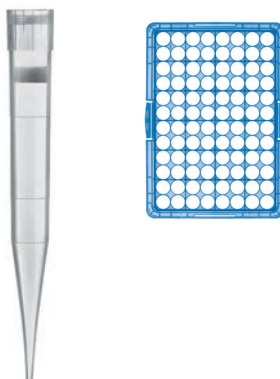
5 - 100µL (Filter)



5 - 200µL (Filter)



50 - 1000µL (Filter)



ORDERING INFORMATION

	Quantity	Pack of	Sterile Cat. No.	2014 List Price
Filter Tips, 2 – 20µL				
TipRefill	960	10 Tip Refills, 96 each	732628	\$162.00
TipBox Sterile	960	10 boxes, 96 each	732728	239.00

Filter Tips, 5 – 100µL

TipRefill	960	10 Tip Refills, 96 each	732630	162.00
TipBox Sterile	960	10 boxes, 96 each	732730	239.00

Filter Tips, 5 – 200µL

TipRefill	960	10 Tip Refills, 96 each	732632	162.00
TipBox Sterile	960	10 boxes, 96 each	732732	239.00

Filter Tips, 50 – 1000µL

TipRefill	960	10 Tip Refills, 96 each	732634	299.00
TipBox Sterile	960	10 boxes, 96 each	732734	305.00

Pipette Tips and Filter Tips in Standard and Ultra Low Retention Quality

Optimum results are achieved in combination with BRAND microliter pipettes. BRAND quality tips seat perfectly for precise analyses.

Pipette and filter tips from BRAND are tested for BRAND pipettes and most of the pipette types of GILSON®, Thermo Fisher Scientific FINNPIPETTE®, Eppendorf® and BIOHIT®/sartorius®. The 5mL tip is exclusively tested for BRAND pipettes and Thermo Fisher Scientific FINNPIPETTE®. The 10mL tip is suitable for BRAND and Eppendorf®.

Ultra-Low Retention Pipette Tips



The surfaces of the Ultra Low Retention tips are produced through a special, patented physicochemical process. The homogeneous, defect-free surface thus produced has extremely low surface tension – over 50% less than PTFE (see table, page 22). This significantly reduces sample loss and provides substantially higher reproducibility when working with critical media.

- Ideal for biological samples that contain detergents such as TRITON™ X-100, SDS, Tween etc.
- No additives that can be leached out! No siliconization of the surface!
- High chemical resistance. Ideal for working with solvents.
- The tips can be autoclaved at 121°C (2bar) without damaging the material properties.

0.1 - 20µL



0.5 - 20µL



1 - 50µL



2 - 200µL



ULTRA-LOW RETENTION PIPETTE TIPS

	Quantity	Pack of	Non-Sterile Cat. No.	2014 List Price	Sterile Cat. No.	2014 List Price
Pipette tips, 0.1 – 20µL						
TipBox, ULR	480	5 boxes, 96 each	732302BT	\$59.00	—	—
TipBox Sterile, ULR	960	10 boxes, 96 each	—	—	732322	\$163.00

Pipette tips, 0.5-20µL

				Non-Sterile		Sterile
TipBox, ULR	480	5 boxes, 96 each	732304	39.00	—	—
TipBox Sterile, ULR	960	10 boxes, 96 each	—	—	732324	107.00
TipStack™, ULR	960	2x5 refills, 96 each	732344	60.00	732364	107.00

Pipette tips, 1 -50µL

				Non-Sterile		Sterile
TipBox, ULR	480	5 boxes, 96 each	732306	39.00	—	—
TipBox Sterile, ULR	960	10 boxes, 96 each	—	—	732326	107.00

Pipette tips, 2-200µL

				Non-Sterile		Sterile
TipBox, ULR	480	5 boxes, 96 each	732308	29.00	—	—
TipBox Sterile, ULR	960	10 boxes, 96 each	—	—	732328	101.00
TipStack™, ULR	960	2x5 refills, 96 each	732348	51.00	732368	98.00

Ultra-Low Retention Pipette Tips

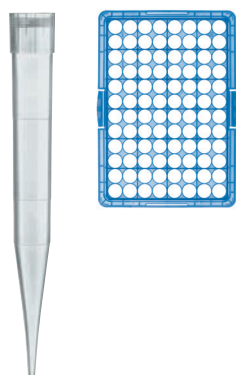
5 - 300µL



ULTRA-LOW RETENTION PIPETTE TIPS

	Quantity	Pack of	Non-Sterile Cat. No.	2014 List Price	Sterile Cat. No.	2014 List Price
Pipette tips, 5 – 300µL						
TipBox, ULR	480	5 boxes, 96 each	732310	\$39.00	—	—
TipBox Sterile, ULR	960	10 boxes, 96 each	—	—	732330	\$101.00

50 - 1000µL

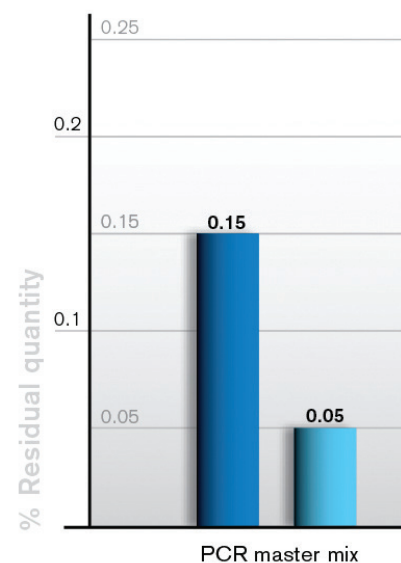
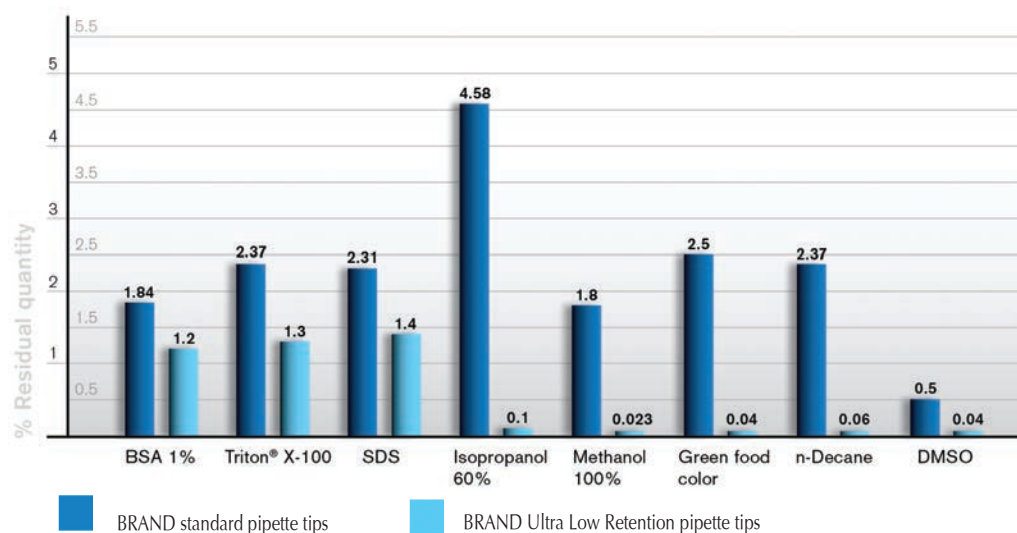


Pipette tips, 50 – 1000µL

				Non-Sterile		Sterile
TipBox, ULR	480	5 boxes, 96 each	732312	\$47.00	—	—
TipBox Sterile, ULR	960	10 boxes, 96 each	—	—	732332	\$122.00
TipStack™, ULR	960	2x5 refills, 96 each	732352	84.00	732372	168.00

Comparison chart

Post pipetting media retention levels of 200µL Standard and Ultra Low Retention pipette tips from BRAND. Measurements performed by rinsing and subsequent photometric analysis. For a demonstration of the process visit www.brandtech.com/ULRvideo



Filtered Ultra-Low Retention Pipette Tips

0.1 - 1µL (Filter)



ULTRA-LOW RETENTION FILTER TIPS

	Quantity	Pack of	Sterile Cat. No.	2014 List Price
Filter tips, 0.1 – 1µL				
TipBox Sterile, ULR	960	10 boxes, 96 each	732822	\$240.00

0.5 - 10µL (Filter)



Filter tips, 0.5 – 10µL				
TipBox Sterile, ULR	960	10 boxes, 96 each	732824	187.00

1 - 20µL (Filter)



Filter Tips, 1 – 20µL				
TipBox Sterile, ULR	960	10 boxes, 96 each	732826	187.00

2 - 20µL (Filter)



Filter Tips, 2 – 20µL				
TipBox Sterile, ULR	960	10 boxes, 96 each	732828	187.00

5 - 100µL (Filter)



Filter Tips, 5 – 100µL				
TipBox Sterile, ULR	960	10 boxes, 96 each	732830	182.00

Filtered Ultra-Low Retention Pipette Tips

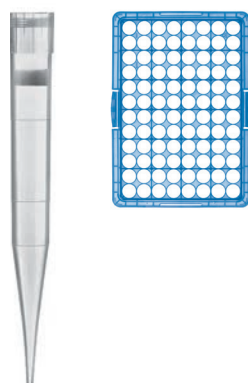
50 - 200µL (Filter)



ULTRA-LOW RETENTION FILTER TIPS

	Quantity	Pack of	Sterile Cat. No.	2014 List Price
Filter Tips, 5 – 200µL				
TipBox Sterile, ULR	960	10 boxes, 96 each	732832	\$182.00






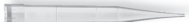
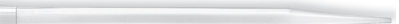
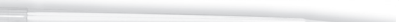





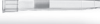

50 - 1000µL (Filter)



Filter Tips, 50 – 1000µL

TipBox Sterile, ULR	960	10 boxes, 96 each	732834	235.00
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		Transferpette® single channel**															Transferpette® multichannel**						
		Nominal volume															Nominal volume						
Pipette tips Filter tips Volume range		1µL	2.5µL	5µL	10µL	20µL	20µL***	25µL	50µL	100µL	200µL	500µL	1000µL	2mL	5mL	10mL	10µL	20µL	25µL	50µL	100µL	200µL	300µL
	0.1 - 20µL	✓	✓		✓	✓											✓	✓					
	0.5 - 20µL		✓		✓	✓											✓	✓					
	1 - 50µL		✓		✓	✓											✓	✓					
	2 - 200µL*			✓			✓	✓	✓	✓	✓								✓	✓	✓	✓	✓
	5 - 300µL			✓			✓	✓	✓	✓	✓								✓	✓	✓	✓	✓
	50 - 1000µL*											✓	✓										
	0.5 - 5mL													✓	✓								
	1 - 10mL															✓							
	0.1 - 1µL	✓			✓												✓						
	0.5 - 10µL		✓		✓	✓											✓	✓					
	1 - 20µL		✓		✓	✓											✓	✓					
	2 - 20µL			✓			✓	✓	✓	✓	✓								✓	✓	✓	✓	
	5 - 100µL			✓			✓	✓	✓	✓	✓								✓	✓	✓	✓	✓
	5 - 200µL										✓								✓	✓	✓	✓	✓
	50 - 1000µL											✓	✓										

✓ = Tip volume less than pipettes nominal volume

*) Bulk tips are yellow or blue colored, racked tips are colorless in a yellow-colored or blue-colored tip tray

) Electronic pipettes are not available in all specified volumes *) Transferpette® with yellow color code

PLT™ Pipette Leak Testing Unit

Improve process reliability with functional validation of air-displacement pipettes!

The most frequent cause of inaccuracy in piston-operated pipettes is leakage. This arises from damage either to the seals, pistons, or tip cones. Often not detectable by the naked eye, leaks lead to significant volume errors. The BRAND PLT™ Pipette Leak Tester (patent pending) detects even the smallest leaks in air displacement pipettes within seconds.

- Limit values for all common sizes of single and multichannel pipettes in the volume range 1 µL to 10 mL are pre-programmed.
- Test with or without tips
- Results in seconds

To ensure accurate results, air-displacement pipettes must be checked at regular intervals and the results must be compared with the ISO 8655-2 error limits. However, a calibration certificate only reflects the results at the time of testing. The time between calibrations is crucial, since leaks can occur at any time. Well over 80% of pipettes sent in for repair have leaks and are outside their volume tolerances, even if they do not drip.

While the PLT unit cannot replace regular gravimetric testing, daily pipette checks can provide a safeguard during the periods between calibrations. Even the smallest leaks are detected and quantified! Process reliability for the pipettes is thus significantly improved.

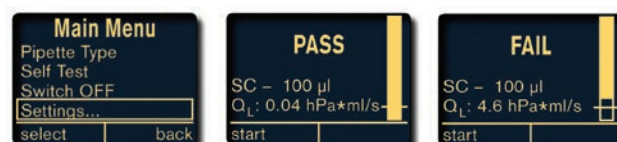
Testing with and without the tip

To check the overall pipette system, the test is conducted with a tip mounted. When a leak has been identified, the test can be repeated without a tip to determine whether the leak arises from the tip cone/tip coupling region.

Dynamic or static test?

Dynamic test the pipette button must be pushed down numerous times during the measurement period.

In the **static test**, the pipette button is not pressed during the test procedure, i.e. the piston does not move.



Quantifiable results are generated, with pass/fail criteria for each pipette size, based on over 35 years of experience.

Items supplied:

The PLT unit is supplied with universal power supply (100-240V, 50/60Hz), single-channel adapters for testing with and without tips and carrying/storage case.

Description	Cat. No.	2014 List Price
PLT Pipette Leak Testing Unit	703970	\$1,571.00
Multichannel Pipette Adapter, Pack of 1	703977	205.00
Filters, PE, for Pipette Adapter, Pack of 10	703978	10.60

