

Transferpette® S

The Transferpette® S pipettes have been benchmarked against leading pipettes for premium performance, light weight, comfort and easy service.

- **Thumb-tip Volume Selection:** Set and secure the volume without even shifting your hand position!
- **Short Pipetting Stroke:** Shortest range of pipetting motion among premium pipettes reduces risk of repetitive strain injury.
- **Fully Autoclavable at 121°C:** Repeatedly autoclavable without disassembly or recalibration.
- **Light Weight and Rugged:** Made with precision advanced materials for chemical resistance, dimensional stability and light weight.
- **Full Pipetting Range:** Adjustable and fixed-volume single channel pipettes from 0.1µL to 10mL; multichannels from 0.5µL to 300µL.
- **Economical:** Fast, in-house cleaning, repair and calibration (without tools) for long, economical service. Accepts most manufacturers' tips.



The Transferpette® S.
The performance standard in pipetting.



Single & multichannel pipettes

Comfortable

Broad, curved for ergonomic tip ejection.

Secure

A volume brake helps protect against accidental volume changes.

Clearly Accurate

4-digit display for precise volume settings; always remains visible during pipetting.

Reduced Static Strain

Pipette suspends from relaxed hand.

Calibration Adjustment Without Tools

Easy Calibration™ makes it quick. Calibration flag indicates adjustment from factory settings.

Smooth Operation

Specially selected sealing material provides uniformly smooth pipetting stroke.

Low Strain

Resilient V-rings and the stepped design of the tip ejector reduce tip mounting and ejection forces. V-rings support broad tip compatibility. Two O-ring design on 0.5-10µL model provides directional accuracy and improved fit.

Convenient

Manifold rotates 360° in both directions to allow you to pipette from any angle.



Transferpette® S single & multichannel pipettes

The Transferpette® S family of pipettes provides unparalleled comfort and ease-of-use in a central-button pipette.

- Innovative materials reduce weight, improve corrosion resistance and protect accuracy, even after repeated autoclaving.
- Short pipetting stroke reduces the risk of RSI (repetitive strain injury), and enhances comfort for operators with smaller hands. Curved finger rest supports pipette for a relaxed grip.
- True one-handed operation. Volume can be set and secured with the tip of the thumb - even while wearing gloves.
- Large separate tip ejector for reduced tip ejection forces.
- Pistons in multichannel models are light, dimensionally stable and corrosion resistant.
- Easy Calibration™ technology ensures fast, easy, in-lab calibration adjustments without tools for ISO/GLP compliance. (See description of Easy Calibration™, page 56).
- CE-IVD compliant.



Easy thumb-tip volume setting

Items supplied

The Transferpette® S is supplied with the following items:

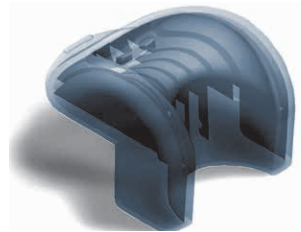
- Performance certificate
- Operating manual
- Shelf mount



Covered nameplate—identifies pipettes without messy tape!



Red recalibration flag indicates adjustment from factory specifications



Shelf mount included with Transferpette® S single and multichannel pipettes



Carousel stand for handy storage of up to six Transferpette® S single or multichannel pipettes

Color Coded

Easy selection of the right tip.



Maximum compatibility

Tip cone design offers excellent fit with BRAND tips and broadest compatibility with tips from other manufacturers.

Transferpette® S single and multichannel pipettes



NEW!

Transferpette® S Adjustable Volume Single Channel Pipettes

Capacity, µL**	Model	A* < ± %	CV* ≤ %	Subdivision, µL	Cat. No.	2014 List Price
0.1-1	D-1	2	1.2	0.001	704768	\$342.00
0.1-2.5	D-2.5	1.4	0.7	0.002	704769	311.00
0.5-10	D-10	1	0.5	0.01	704770	311.00
2-20	D-20	0.8	0.4	0.02	704772	311.00
10-100	D-100	0.6	0.2	0.1	704774	311.00
20-200	D-200	0.6	0.2	0.2	704778	311.00
100-1000	D-1000	0.6	0.2	1	704780	311.00
500-5000 (0.5-5mL)	D-5000	0.6	0.2	5	704782	311.00
1000-10000 (1-10mL)	D-10000	0.6	0.2	10	704784	311.00



Transferpette® S Fixed Volume Single Channel Pipettes

Capacity, µL	Model	A* < ± %	CV* ≤ %	Subdivision, µL	Cat. No.	2014 List Price
10	F-10	1	0.5	—	704708	169.00
20	F-20	0.8	0.4	—	704716	169.00
25	F-25	0.8	0.4	—	704720	169.00
50	F-50	0.8	0.4	—	704728	169.00
100	F-100	0.6	0.2	—	704738	169.00
200	F-200	0.6	0.2	—	704744	169.00
500	F-500	0.6	0.2	—	704754	169.00
1000	F-1000	0.6	0.2	—	704762	169.00

Transferpette® S Single channel pipettes are supplied with performance certificate, operating manual, shelf mount and three year warranty



Transferpette® S Single Channel Starter Sets

Starter Set	Includes following Transferpette® S models	Cat. No.	2014 List Price
Micro	D-1, D-10, D-100	704790	\$745.00
Mid-Size	D-20, D-200, D-1000	704791	745.00
Macro	D-1000, D-5000, D-10000	704792	745.00
Standard	D-10, D-100, D-1000	704793	745.00

Starter Sets include three pipettes with performance certificates, operating manual, three shelf mounts, and three filled Tip-Boxes with appropriate sized tips.

Transferpette® S -8/-12 Multichannel Pipettes

Capacity, µL**	A* < ± %	CV* ≤ %	Subdivision, µL	Transferpette® S -8 Channel	2014 List Price	Transferpette® S -12 Channel	2014 List Price
0.5-10	1.6	1.0	0.01	703700	\$760.00	703720	\$938.00
5-50	0.8	0.4	0.1	703706	760.00	703726	938.00
10-100	0.8	0.3	0.2	703708	760.00	703728	938.00
20-200	0.8	0.3	0.2	703710	760.00	703730	938.00
30-300	0.6	0.3	0.5	703712	760.00	703732	938.00

Transferpette® S -8/-12 pipettes supplied with performance certificate, operating manual, shelf mount, two tip boxes, reagent reservoir, pack of replacement V-rings. One-year warranty.

Accessories

	Cat. No.	2014 List Price
Carousel Stand - for up to six Transferpette® S single or multichannel pipettes, pack of 1	704805	\$134.00
Individual Multichannel Stand - for all Transferpette® S, Transferpette® electronic and Transferpette® multichannel pipettes, pack of 1	703440	38.00
Shelf Mount - for all Transferpette® S single or multichannel pipettes, pack of 1	704810	28.00
Autoclavable Reagent Reservoirs – PP, with translucent lids, pack of 10	703459	33.00
Autoclavable Reagent Reservoirs – PP, sterile, individually wrapped, 100 pieces total	703411	274.00
Autoclavable Reagent Reservoirs – PP, sterile, 40 packs of five, 200 pieces total	703409	251.00

A*=Accuracy, CV*=Coefficient of Variation

* The value of accuracy and coefficient of variation are final test values referring to the delivered nominal volume, instrument and distilled water at equilibrium with ambient temperature (20°C/68°F) and with smooth operation.

** Tip selection chart see page 24

Transferpette® single & multichannel pipettes

BRAND Transferpette® pipettes are lightweight, reliable tools designed for use in research and routine laboratory applications.

Ease Liquid-Handling Tasks: Every function has a dedicated control to simplify operation as well as limit inadvertent tip ejection or volume adjustment.

Secure, Comfortable Tip Ejector

Tip ejector is mounted high, next to the pipetting key to limit unintended tip ejection.

The thumb sweeps comfortably sideways from the pipetting key, allowing you to deliver the needed force with the minimum of strain.

Ergonomic Design

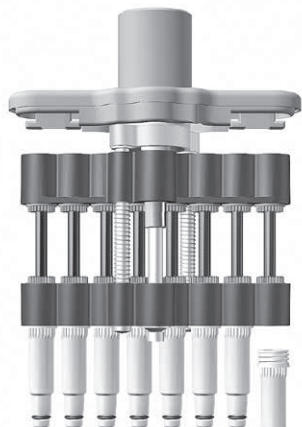
The side-mounted pipetting key reduces hand fatigue, especially during serial pipetting applications. The unique hook-shaped handle lets the light-weight pipette suspend freely from the operator's hand.

Easy-To-Read Settings



Simple Operation

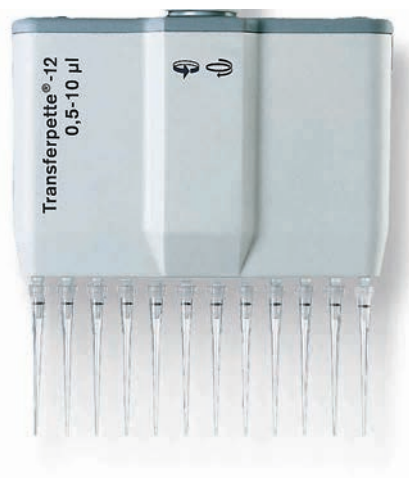
The volume adjustment knob turns easily without snagging gloves.



Simple, economical, in-lab service

All Transferpette® eight- and twelve-channel pipettes feature patented individually removable tip cones for easy cleaning and seal replacement. This is especially handy if faults are discovered during calibration, as only the individual channel needs service.

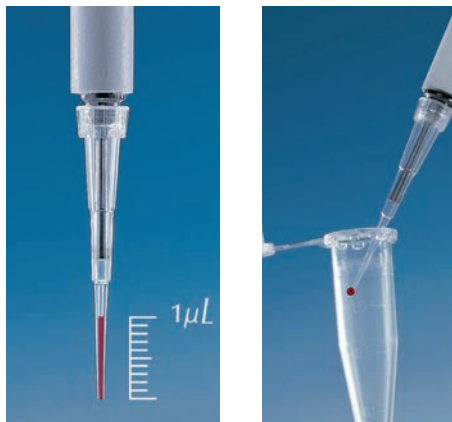
All Transferpette® single channel pipettes can be disassembled for cleaning and reassembled in seconds without tools. Integrated spring/seal construction simplifies in-lab service.



Transferpette® single and multichannel pipettes

SUB-MICRO PIPETTES

The Transferpette® S and Transferpette® 0.1-1 µL can pipette small volumes with unparalleled accuracy and precision. The pipette, when used with BRAND nano-cap™ tips, drastically reduces the column of air between the piston and sample. The ultra-thin bore and walls allow visual confirmation of sample volume and precise placement into vials.



Transferpette® Adjustable Volume Single Channel Pipettes — ship with operating manual, performance certificate, & three-year warranty.

Capacity, µL**	A* < ±		CV* ≤		Subdivision, µL	Cat. No.	2014 List Price
	%	µL	%	µL			
0.1-1	2	0.02	1.2	0.012	0.005	704101	\$342.00
0.5-10	1	0.1	0.8	0.08	0.05	704102	311.00
2-20	0.8	0.16	0.4	0.08	0.1	704103	311.00
2-20	0.8	0.16	0.4	0.08	0.1	704104	311.00
5-50	0.8	0.4	0.4	0.2	0.1	704172	311.00
10-100	0.6	0.6	0.2	0.2	0.1	704174	311.00
20-200	0.6	1.2	0.2	0.4	1	704178	311.00
100-1000	0.6	6	0.2	2	1	704180	311.00
500-5000 (0.5-5mL)	0.6	30	0.2	10	10	704182	311.00

Transferpette®-8 Eight Channel Pipettes — ship with pipette stand, reagent reservoir, two tip boxes, spare V-rings, performance certificate, & one-year warranty.

0.5-10	1.6	0.16	1.0	0.1	0.05	703600	724.00
2-20	1.0	0.2	0.6	0.12	0.1	703602	724.00
2.5-25	1.0	0.25	0.6	0.15	0.1	703604	724.00
5-50	0.8	0.4	0.4	0.2	0.1	703606	724.00
10-100	0.8	0.8	0.3	0.3	0.1	703608	724.00
20-200	0.8	1.6	0.3	0.6	1	703610	724.00
30-300	0.6	1.8	0.3	0.9	1	703612	724.00

Transferpette®-12 Twelve Channel Pipettes — ship with pipette stand, reagent reservoir, two tip boxes, spare V-rings, performance certificate, & one-year warranty.

0.5-10	1.6	0.16	1.0	0.1	0.05	703620	893.00
2-20	1.0	0.2	0.6	0.12	0.1	703622	893.00
2.5-25	1.0	0.25	0.6	0.15	0.1	703624	893.00
5-50	0.8	0.4	0.4	0.2	0.1	703626	893.00
10-100	0.8	0.8	0.3	0.3	0.1	703628	893.00
20-200	0.8	1.6	0.3	0.6	1	703630	893.00
30-300	0.6	1.8	0.3	0.9	1	703632	893.00

Accessories

Benchtop Pipette Stand - for up to six single channel pipettes, pack of 1	703208	190.00
Wall-Mounted Pipette Rack - for up to three single channel pipettes, pack of 1	703210	80.00
Stand for Transferpette®-8/-12 multichannel pipettes - holds one pipette, pack of 1	703440	38.00
V-ring/O-ring (green) for Transferpette®-8/-12 ultra-micro tip cones (0.5-10µL, 2-20µL), pack of 24	703380	28.60
V-ring/O-ring (black) for Transferpette®-8/-12 tip cones - all other sizes, pack of 24	703491	30.60

A*=Accuracy, CV*=Coefficient of Variation

* The value of accuracy and coefficient of variation are final test values referring to the delivered nominal volume, instrument and distilled water at equilibrium with ambient temperature (20°C/68°F) and with smooth operation.

** Tip selection chart see page 24

Transferpette® electronic

The BRAND *Transferpette® electronic* single- and multichannel pipettes combine the innovation of the Transferpette® with the convenience and automation of motorized, electronic pipettes. The result is an accurate, ergonomic instrument for use in most laboratory applications. Both single- and multichannel models are available in five volume ranges, and feature an autoclavable pipette shaft or manifold, respectively.

- **Delivers Precise, Accurate Volumes**
- **Increases Sample Throughput**
- **Reduces Maintenance Downtime:** All models, both single- and multichannel, can be disassembled for cleaning. The multichannel models also feature BRAND's innovative user-removable, individual tip cones for easy in-lab maintenance or replacement.
- **Maximizes Pipetting Comfort**

Transferpette® electronic pipettes from BRAND. Performance, Value, and Unbelievable Comfort.



Single Channel Stand



Charging Stand

for up to three single channel pipettes (excluding 5mL)



Single & multichannel pipettes

Clear, Legible LCD Screen



Intuitive Interface

User-friendly design allows easy operation, even for new lab techs.

Soft Touch Pipetting Key



Adjustable Finger Rest

The adjustable finger rest adapts the instrument to your most comfortable hand position.

Rechargeable Battery

Over 4000 pipetting cycles between charges means well over a full day of uninterrupted pipetting.

Multichannel V-rings

V-rings on tip cones of multichannel models improve tip fit and reduce mounting and ejection forces.



Easy Maintenance

Multichannel manifolds disassemble easily for cleaning or service. See page 6 for more details on the manifolds of BRAND'S mechanical and electronic pipettes.



60mL Reagent Reservoir

- Polypropylene with translucent lid
- Autoclavable at 121°C (250°F) for 20 minutes
- Ten reservoirs per pack
- Sterile version available

Transferpette® electronic single and multichannel pipettes

Innovative Ergonomics

The *Transferpette® electronic* pipettes are the first single and multichannel pipettes respectively, to be independently certified “Ergonomics Approved” by a Nationally Recognized Testing Laboratory (NRTL), TÜV Rheinland. The combination of ergonomic features and intuitive design resulted in outstanding user acceptance ratings of 1.54 and 1.55.

Reduce pipetting strain!

From the very beginning, the development of the *Transferpette® electronic* was driven by the goal of reducing the strain of pipetting without sacrificing performance. It was that focus that led to such innovations as the adjustable finger rest.



Five Operating Modes

Quickly and easily scroll to one of five convenient operating modes that support all of the most common pipetting applications

Pipetting (PIP Mode)

Previously set volume is aspirated into the pipette tip and then discharged.

Mixing of Samples (PIPmix Mode)

Program for mixing liquids. The sample is repeatedly aspirated and discharged and the number of cycles is displayed.

Reverse Pipetting (revPIP Mode)

Program especially designed for greater accuracy when pipetting liquids with a high viscosity, high vapor pressure or low surface tension.

Pipetting for Electrophoresis (GEL mode)

Patented program for loading of electrophoresis gels. (Not available on 1000µL and 5mL instruments).

Dispensing (DISP Mode)

A single aspirated volume is dispensed in a selected number of smaller, equal aliquots.



Transferpette® electronic single and multichannel pipettes

Items supplied

The *Transferpette® electronic* is supplied with the following items:

- Battery
- 120V AC adapter with charging cable (except instruments 705339, 705340, 705343, 705346, and 705347)
- One pipette tip sample pack (single channels only)
- Silicone oil
- Operating manual
- One-year warranty

Additional Items supplied

Multichannel models also include:

- Pipette stand
- One TipBox
- One TipRefill
- Reagent reservoir
- Tip cone tool
- Set of replacement V- rings



Transferpette® electronic Single Channel Pipettes

Capacity, µL**	A* < ±		CV* ≤		Subdivision, µL	Cat. No.	2014 List Price
	%	µL	%	µL			
0.5-10 with AC charger	1.0	0.1	0.4	0.04	0.01	705319	\$510.00
2-20 with AC charger	1.0	0.2	0.4	0.08	0.02	705320	510.00
20-200 with AC charger	0.8	1.6	0.2	0.4	0.2	705323	510.00
100-1000 with AC charger	0.6	6	0.2	2	1.0	705326	510.00
500-5000 (0.5-5mL) with charger	0.6	30	0.2	10	5.0	705327	510.00
0.5-10 without charger	1.0	0.1	0.4	0.04	0.01	705339	479.00
2-20 without charger	1.0	0.2	0.4	0.08	0.02	705340	479.00
20-200 without charger	0.8	1.6	0.2	0.4	0.2	705343	479.00
100-1000 without charger	0.6	6	0.2	2	1.0	705346	479.00
500-5000 (0.5-5mL) without charger	0.6	30	0.2	10	5.0	705347	479.00

Transferpette®-8 electronic Eight Channel Pipette

0.5-10	1.2	0.12	0.8	0.08	0.01	705419	917.00
1-20	1.0	0.2	0.5	0.1	0.02	705420	917.00
5-100	0.8	0.8	0.25	0.25	0.1	705423	917.00
10-200	0.8	1.6	0.25	0.5	0.2	705424	917.00
15-300	0.6	1.8	0.25	0.75	0.5	705426	917.00

Transferpette®-12 electronic Twelve Channel Pipette

0.5-10	1.2	0.12	0.8	0.08	0.01	705469	1097.00
1-20	1.0	0.2	0.5	0.1	0.02	705470	1097.00
5-100	0.8	0.8	0.25	0.25	0.1	705473	1097.00
10-200	0.8	1.6	0.25	0.5	0.2	705474	1097.00
15-300	0.6	1.8	0.25	0.75	0.5	705476	1097.00

Accessories

Spare NiMH battery	705500	57.00
Single Channel Charging Stand - for up to three pipettes (excluding 5mL), pack of 1	705392	295.00
Single Channel Stand - for 5mL & 10mL, pack of 1	705386	88.00
Stand for Transferpette®-8/-12 multichannel pipettes - holds one pipette, pack of 1	703440	38.00
120V AC Charger-for <i>Transferpette® electronic</i>	705352	54.00

A*=Accuracy, CV*=Coefficient of Variation

* The value of accuracy and coefficient of variation are final test values referring to the delivered nominal volume, instrument and distilled water at equilibrium with ambient temperature (20°C/68°F) and with smooth operation.

** Tip selection chart see page 24

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 DiHEMDA and oleamide
- Manufactured without lubricants
- Cadmium-free pigments
- Graduation for a quick volume check
- All tips and filter tips up to 1000 μ L are free of DNA (<40fg), RNase (<8.6fg), endotoxins (<1pg) and ATP (<1fg)
- Autoclavable at 121 $^{\circ}$ C (2bar), acc. DIN EN 285
- Environmentally friendly packaging systems
- CE-marked according to IVD-Directive 98/79 EC

**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 (DiHEMDA) and 9-octadecenamamide (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

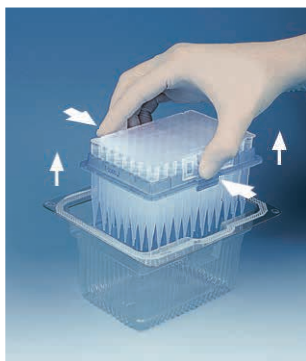
The tip-tray is fabricated from especially rigid polypropylene.

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

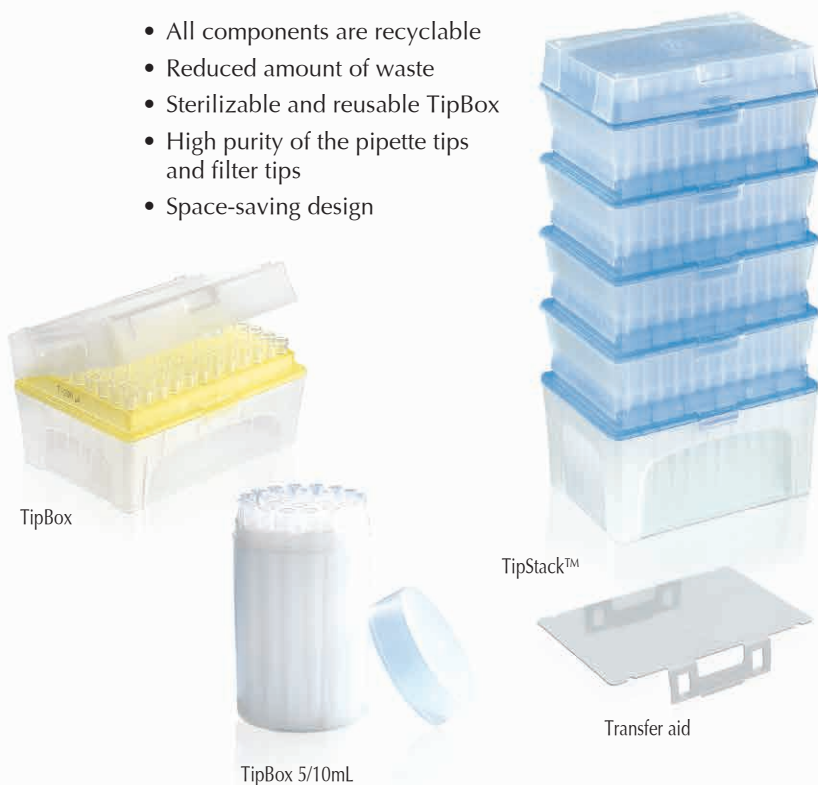
TipRefill

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

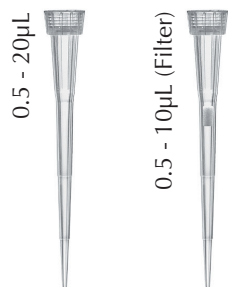
Space-saving, environmentally compatible refill system for TipBox. 5 racks, of 96 tips and 1 TipBox. Sterile TipStacks are supplied with a transfer aid for sterile handling when inserting into a previously autoclaved box.

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.



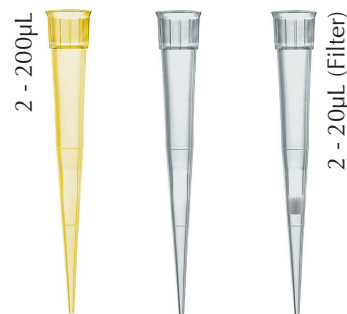
0.5 - 20µL 0.5 - 10µL (Filter)

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.



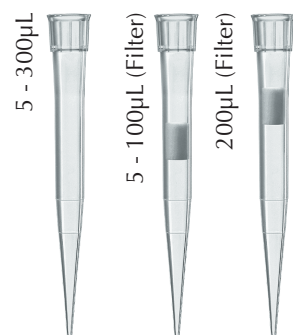
1 - 50µL 1 - 20µL (Filter) **NEW!**

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.



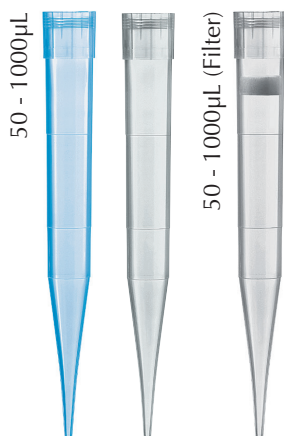
2 - 200µL 2 - 20µL (Filter)

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.



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.



50 - 1000µL 50 - 1000µL (Filter)

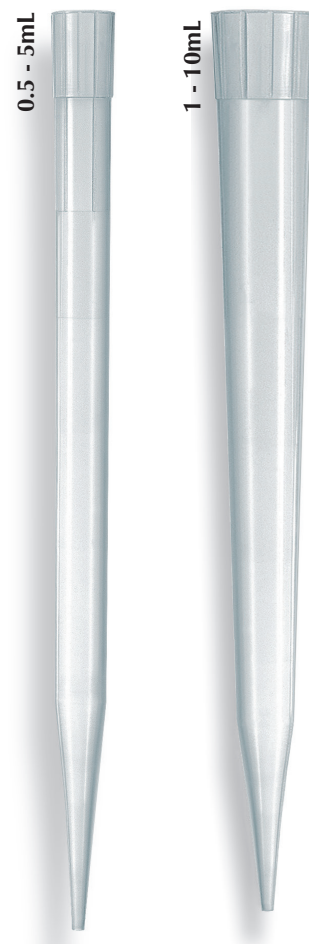
Proven thin-walled tip for routine laboratory and research pipetting. Its length is 70mm. Graduation at 250, 500 and 1000µL for a quick volume check. Bulk tips are blue colored. The racked tips are colorless and placed into a blue-colored tip tray.

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	732002BT	\$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

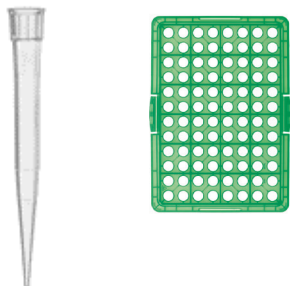
2 - 200µL



	Quantity	Pack of	Non-Sterile Cat. No.	2014 List Price	Sterile Cat. No.	2014 List Price
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

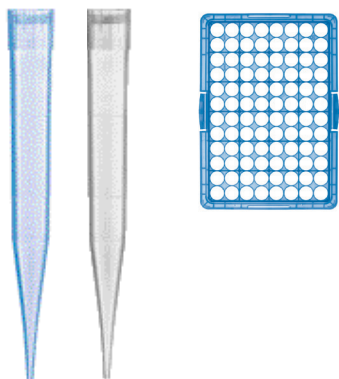
5 - 300µL



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

50 - 1000µL



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

	Quantity	Pack of		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

0.5 - 5mL

1 - 10mL



Pipette tips, 0.5 – 5mL

	Quantity	Pack of		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

	Quantity	Pack of		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)



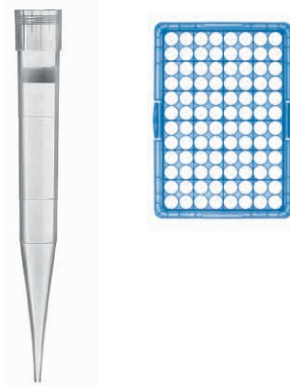
5 - 100µL (Filter)



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.
- High chemical resistance. Ideal for working with solvents.
- No additives that can be leached out! No siliconization of the surface!
- The tips can be autoclaved at 121°C (2bar) without damaging the material properties.

0.1 - 20µL



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	732302	\$59.00	—	—
TipBox Sterile, ULR	960	10 boxes, 96 each	—	—	732322	\$163.00

0.5 - 20µL



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

1 - 50µL



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

2 - 200µL

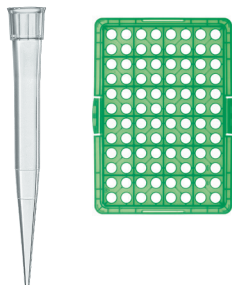


Pipette tips, 2-200µL

				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

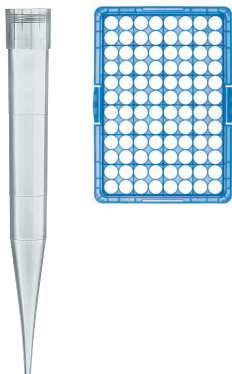
5 - 300µL



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

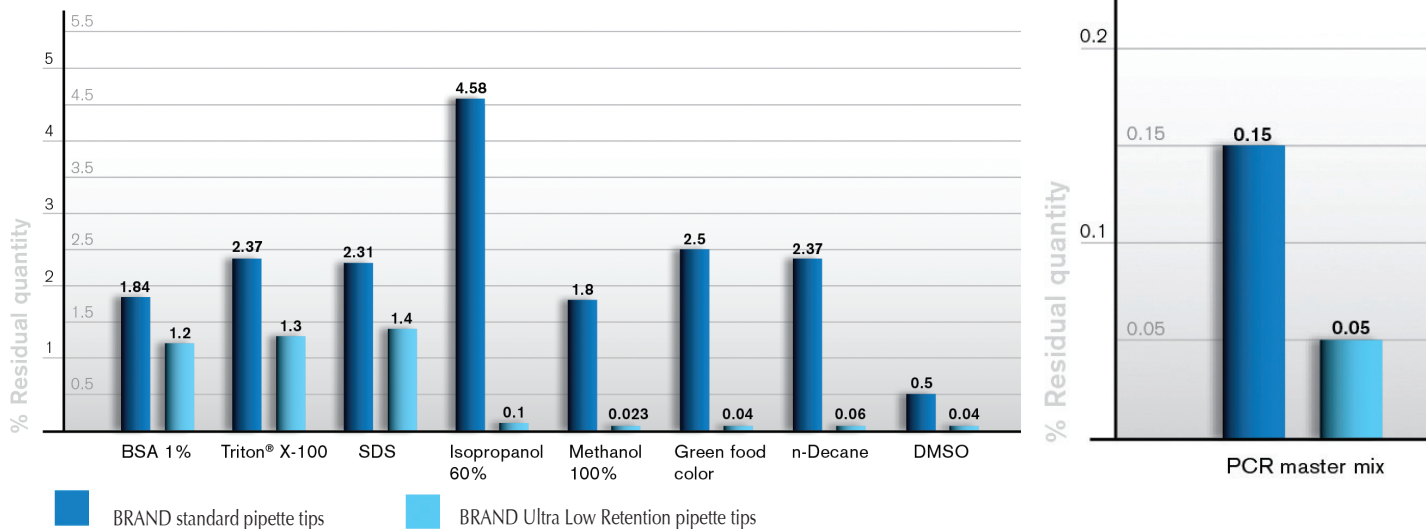


Pipette tips, 50 – 1000µL

	Quantity	Pack of	Non-Sterile Cat. No.	Non-Sterile 2014 List Price	Sterile Cat. No.	Sterile 2014 List Price
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
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1 - 20µL (Filter)



Filter Tips, 1 – 20µL

TipBox Sterile, ULR	960	10 boxes, 96 each	732826	187.00
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2 - 20µL (Filter)



Filter Tips, 2 – 20µL

TipBox Sterile, ULR	960	10 boxes, 96 each	732828	187.00
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5 - 100µL (Filter)



Filter Tips, 5 – 100µL

TipBox Sterile, ULR	960	10 boxes, 96 each	732830	182.00
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Filtered Ultra-Low Retention Pipette Tips

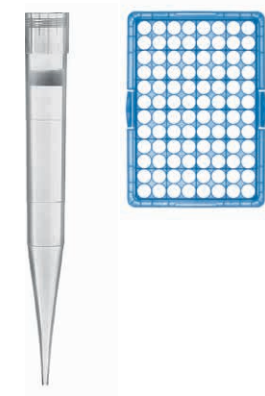
50 - 200µL (Filter)



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

	Quantity	Pack of	Sterile Cat. No.	2014 List Price
TipBox Sterile, ULR	960	10 boxes, 96 each	732834	235.00



Pipette tips Filter tips Volume range	Transferpette® single channel** Nominal volume													Transferpette® multichannel** Nominal volume									
	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 1µL to 10mL 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.

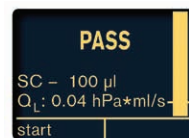
Testing with and without the tip

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



Transferpettor™

The Transferpettor™ positive displacement pipette is the ideal tool for use with liquids that render traditional air-displacement pipettes ineffective. Unlike air displacement pipettes, the piston of the Transferpettor™ directly expels the media from the tip, wiping the tip walls completely clean. This results in negligible residual wetting and highly accurate, reproducible results, especially with viscous, foaming, high-vapor-pressure, and other “problematic” liquids.

- **Works in a Broad Range of Applications:** The Transferpettor™ is an excellent tool for applications in wastewater treatment plants, biochemical, genetics and molecular biology laboratories, wineries, breweries, refineries, and more.
- **Dispenses Glycerin:** For use with viscous solutions up to 40,000cSt (mm²/s) and high density media (up to 13.6g/cm³) such as concentrated protein solutions, oils, fats, resins, and glycerin.
- **Dispenses Surfactants:** Use the Transferpettor™ to accurately pipette surfactants such as Tween® 20, Mucosal®, and more.
- **Dispenses Acetone:** The Transferpettor™ is designed for use with high-vapor-pressure media (up to 500mbar), including alcohols, acetone, and hydrocarbons that would otherwise vaporize into an air displacement tip.
- **Reduces Sample Prep Costs:** Because residual wetting is negligible, the Transferpettor™ reduces lab costs by eliminating the need to discard tips after each use.



Transferpettor™ Station

The Ideal Tool for Pipetting Problematic Media.



Transferpettor™ positive displacement pipette

Technical Data

Operating limits and exclusions

Liquids unsuitable for use with the Transferpettor™ include, but are not limited to those with:

- A density exceeding 13.6g/cm³
- A viscosity exceeding 40,000cSt (mm²/s), depending on instrument capacity.
- A vapor pressure exceeding 500mbar
- Chemicals that attack either PP or PE. See page 126.
- Temperature of instrument and reagents must be between 15° and 40°C (59° and 104°F)
- Instrument, tips and seals are not autoclavable.

Items supplied

The Transferpettor™ pipette includes:

- One tip and seal
- Seal mounting/removal tool
- Performance certificate
- Operating manual
- One-year warranty

ORDERING INFORMATION

Capacity, µL	A* < ±		CV* ≤		Max Viscosity mm ² /sec.	Subdivision, µL	Color, µL	Cat. No.	2014 List Price
	%	µL	%	µL					
Transferpettor™									
100-500µL	0.5	2.5	0.2	1.0	40,000	1.0	Green	702804	\$346.00
200-1000µL	0.5	5.0	0.2	2.0	20,000	1.0	Yellow	702806	346.00
1-5mL	0.5	25.0	0.2	10.0	6,000	10	Red	702810	346.00
2-10mL	0.5	50.0	0.2	20.0	2,000	10	Orange	702812	346.00
Reusable Transferpettor™ Tips - Polypropylene, pack of 10									
For Transferpettor™, 100-500µL							Green	702852	20.00
For Transferpettor™, 200-1000µL							Yellow	702854	20.00
For Transferpettor™, 1-5mL							Red	702858	20.00
For Transferpettor™, 2-10mL							Orange	702860	20.00
Reusable Transferpettor™ Piston Seals - Polyethylene, pack of 10									
For Transferpettor™, 100-500µL							Green	702864	33.00
For Transferpettor™, 200-1000µL							Yellow	702866	33.00
For Transferpettor™, 1-5mL							Red	702870	33.00
For Transferpettor™, 2-10mL							Orange	702872	33.00
Transferpettor™ Station Keeps 2 instruments, tips, and seals conveniently at hand in the workplace								702890	112.00

* The value of accuracy and coefficient of variation are final test values referring to the delivered nominal volume, instrument and distilled water at equilibrium with ambient temperature (20°C/68°F) and with smooth operation.

A*=Accuracy, CV*=Coefficient of Variation



HandyStep® S

The BRAND HandyStep® S repeating pipette provides unprecedented versatility in a purely mechanical repeating pipette. In conjunction with BRAND PD-Tip™ syringe tips, the HandyStep® S offers nearly sixty different volume settings with accuracy, precision and dependability.

- **Comfortable:** The slim design of the HandyStep® S is lightweight, well-balanced, and provides a convenient control layout for smooth dispensing and one handed volume selection.
- **Reliable:** Robust construction, inspired design and innovative polymers deliver a dependable instrument.
- **Ready-To-Go:** A purely mechanical design with no batteries to charge or replace means the HandyStep® S is ready when you are. A convenient integrated volume table provides a quick reference for dispensed volumes.
- **Flexible:** Ten sizes of PD-Tip™ syringe tips allow the HandyStep® S to dispense 59 different volumes. Open design allows use of third party tips—no more being locked into a sole source!
- **Contact-Free:** A tip ejection system allows the user to remove tips without handling.



Technical Data

Operating limits and exclusions

Liquids unsuitable for use with the HandyStep® S include, but are not limited to, those with:

- Vapor pressure exceeding 500mbar
- Viscosity: 20mPa S with 50mL PD-Tips™; 260mPa S with 5mL PD-Tips™; 977mPa S with 1mL PD-Tips™
- Reagents that attack PP (PD-Tip™ cylinder), HDPE (PD-Tip™ piston), LCP (PD-Tip™ piston 0.1mL) or PC/PBT and polycarbonate
- Temperature of instrument and reagent must be between 15° and 40°C (59° and 104°F).
- Instrument and tips must not be autoclaved

Items supplied

The HandyStep® S is supplied with the following items:

- Performance certificate
- Shelf/rack mount
- One each: 0.1mL, 1mL and 10mL PD-Tip™ syringe tips
- Operating manual
- Two-year warranty

More than just precise –
slim, light and dependable!



HandyStep® S repeating pipette

Setting At a Glance

Large, legible volume setting indicator.

Perfectly Aligned

Optimally positioned dispensing lever for easy thumb movement.

Simple

Unified piston locking/filling lever makes aspiration easy.

Hands-Free Disposal

Ergonomic eject button, for contact-free, safe ejection of contaminated dispenser tips.

Chart Topper

Two-sided tip/volume chart assists in setting and tip selection.

Big Wheel

Volume adjustments are easily made with a simple thumb movement.

Comfortable

Finger rest is optimally located for both balance and convenient control access. Relaxed even when performing long pipetting tasks.

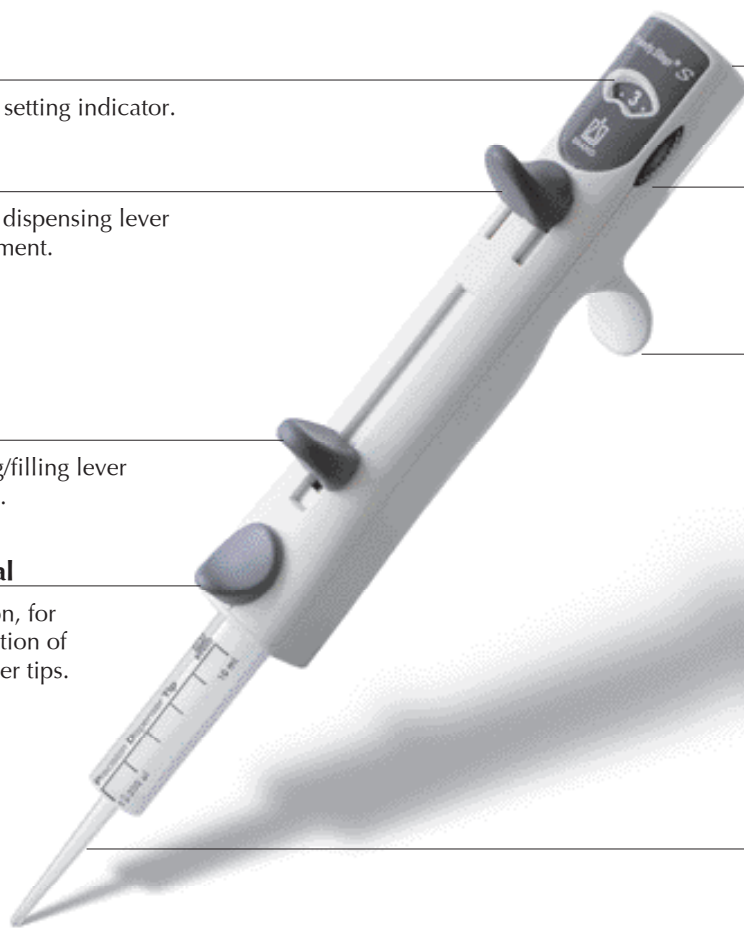
Shelf/Rack Mount

Shelf/rack mount to keep your HandyStep® S close at hand. Also retrofits to Transferpette® S carousel stand.



Flexible

The HandyStep® S is compatible with PD-Tip™ syringe tips, as well as third-party, and dealer private label tips.



Accuracy Table HandyStep® S with BRAND PD-Tip™ Syringe Tips

Nominal Volume PD-Tip, mL	Volume Range, µL	A* < ± % Stroke setting ≡ % of nominal volume			CV* < % Stroke setting ≡ % of nominal volume		
		1 ≡ 20%	3 ≡ 60%	5 ≡ 100%	1 ≡ 20%	3 ≡ 60%	5 ≡ 100%
0.1	2-10	8.0	2.7	1.6	5.0	3.0	2.0
0.5	10-50	4.0	1.33	0.8	1.4	0.73	0.6
1.0	20-100	4.0	1.33	0.8	1.0	0.38	0.4
1.25	25-125	4.0	1.33	0.8	0.8	0.38	0.3
2.5	50-250	3.5	1.17	0.7	0.8	0.3	0.2
5	100-500	2.5	0.83	0.5	0.6	0.27	0.2
10	200-1000	1.5	0.5	0.4	0.5	0.23	0.2
12.5	250-1250	1.5	0.5	0.3	0.3	0.23	0.2
25	500-2500	1.5	0.5	0.3	0.4	0.23	0.2
50	1000-5000	1.5	0.5	0.3	0.4	0.23	0.15

* Error limits refer to the partial volume set relative to the PD-Tip, obtained when instrument, PD-Tip and distilled water are equilibrated at ambient temperature (20°C/68°F) and with smooth operation. The testing is according to DIN EN ISO 8655-5.

A*=Accuracy, CV*=Coefficient of Variation

NOTE: the nominal volume is the maximum adjustable partial volume for each PD-Tip™ size.

Tip Size, mL

Setting	0.1	0.5	1	1.25	2.5	5	10	12.5	25	50	Steps
1	2	10	20	25	50	100	200	250	500	1000	49
1.5	3	15	30	37.5	75	150	300	375	750	1500	32
2	4	20	40	50	100	200	400	500	1000	2000	24
2.5	5	25	50	62.5	125	250	500	625	1250	2500	19
3	6	30	60	75	150	300	600	750	1500	3000	15
3.5	7	35	70	87.5	175	350	700	875	1750	3500	13
4	8	40	80	100	200	400	800	1000	2000	4000	11
4.5	9	45	90	112.5	225	450	900	1125	2250	4500	10
5	10	50	100	125	250	500	1000	1250	2500	5000	9

Volume, µL

ORDERING INFORMATION

Description	Cat. No.	2014 List Price
HandyStep® S Repeating Pipette	705110	\$378.00
HandyStep® S Shelf/rack mount	705130	29.00

HandyStep[®] electronic

The BRAND HandyStep[®] electronic is a microprocessor-controlled, motorized repeating pipette that combines broad tip compatibility and user comfort with the convenience and efficiency of an electronic pipette.

- **Works with All Standard Tips:** The HandyStep[®] electronic is compatible with BRAND PD-Tip[™] syringe tips, Eppendorf[®] Combitips advanced[®], and more.
- **Recognizes Tips Automatically:** The pipette automatically recognizes the size of encoded BRAND PD-Tip[™] syringe tips upon tip insertion and displays the tip's volume, default dispensing volume, and default number of dispensing steps.
- **Reduces Repetitive Motion by up to 97%:** The instrument features a unique Auto-Dispense operating mode in which the pipette "learns" the operator's dispensing rhythm and dispenses at that rhythm as long as the control button is depressed – no programming needed!

Battery Compartment

The battery compartment opens easily to allow users to swap batteries in seconds for virtually continuous pipetting.



Control Button

Just a subtle squeeze of the index finger on this button controls aspiration and dispensing for effortless pipetting.



Tip Recognition Mechanism

The rugged tip recognition mechanism enables the instrument to automatically display the tip volume and default dispensing volume, when a BRAND PD-Tip[™] syringe tip is inserted.

Rapid, Relaxed, and Reliable Repetitive Pipetting from BRAND.



HandyStep® electronic

Technical Data & Ordering Information

Operating limits and exclusions

Liquids unsuitable for use with the *HandyStep® electronic* and PD-Tip™ syringe tips include, but are not limited to, those with:

- vapor pressure exceeding 500mbar
- viscosity: 20mPa S with 50mL PD-Tips™; 260mPa S with 5mL PD-Tips™; 977mPa S with 1mL PD-Tips™
- chemicals incompatible with tips used. See page 32 for PD-Tip™ materials of construction.
- Temperature of instrument and reagents must be between 15° and 40°C (59° and 104°F)
- The *HandyStep® electronic* cannot be autoclaved

Items supplied

Each *HandyStep® electronic* includes:

- NiMH battery
- Charging stand with power supply
- Five assorted volume PD-Tip™ syringe tips
- Performance certificate
- Operating manual
- One-year warranty

Use the tips you want

The only electronic repetitive pipette compatible with all standard syringe tips, the *HandyStep® electronic* accepts:

- BRAND PD-Tip™ syringe tips
- Rainin® Encode™ syringe tips
- Eppendorf® Combitips® advanced
- Fisherbrand® Dispenser Tips
- VWR® Combi-Syringes
- Gilson® Repet-Tips

Accuracy and Precision for the *HandyStep® electronic*

PD-Tip™	Range	Subdivision Between	Increment	A* < ±				CV* ≤			
				100%	50%	10%	1%	100%	50%	10%	1%
0.1mL	1µL-100µL	1µL-100µL	0.1µL	1.0	1.2	1.6	16	0.5	1.0	2.0	12
		5µL-500µL	0.1µL								
0.5mL	5µL-500µL	100µL-500µL	1µL	0.9	0.9	0.9	9	0.25	0.5	1	6
1mL	10µL-1mL	10µL-1mL	1µL	0.6	0.6	0.9	8	0.2	0.3	0.6	4
		12.5µL-100µL	0.5µL								
1.25mL	12.5µL-1250µL	100µL-1000µL	1µL								
		1mL-1.25mL	10µL	0.6	0.6	0.9	8	0.15	0.3	0.6	3.5
2.5mL	25µL-2500µL	25µL-1000µL	1µL								
		1mL-2.5mL	10µL	0.5	0.5	0.8	8	0.1	0.2	0.4	2.5
5mL	50µL-5000µL	50µL-1000µL	1µL								
		1mL-2.5mL	10µL	0.5	0.5	0.8	8	0.08	0.15	0.3	1.5
10mL	100µL-10mL	100µL-10mL	10µL	0.4	0.4	0.5	5	0.08	0.15	0.25	1.25
		125µL-1000µL	5µL								
12.5mL	125µL-12.5mL	1mL-10mL	10µL								
		10mL-12.5mL	100µL	0.4	0.4	0.5	5	0.08	0.15	0.25	1.25
25mL	250µL-25mL	250µL-10mL	10µL								
		10mL-25mL	100µL	0.3	0.3	0.3	3	0.08	0.15	0.25	1.25
50mL	500µL-50mL	500µL-10mL	10µL								
		10mL-50mL	100µL	0.3	0.3	0.3	3	0.08	0.25	0.5	2.5

A*=Accuracy, CV*=Coefficient of Variation

* Results were achieved using PD-Tip™ syringe tips from BRAND, with an aqueous solution, obtained after instruments and solution had equilibrated at ambient temperature. Empirical values may differ from values obtained under test conditions due to variations in factors beyond our control, including temperature.

The predetermined ISO 8655-5 tolerances were not exceeded.

Description	Cat. No.	2014 List Price
HandyStep® electronic with charging stand & NiMH battery, 110V, 50-60Hz	705002	\$1019.00
Spare Parts and Accessories		
Spare NiMH battery	705025	58.00
Charging Stand	705020	194.00
AC Adapter	705052	75.00



PD-Tip™ Syringe Tips

The Perfect Tips for Your Repeating Pipette.

BRAND encoded PD-Tip™ syringe tips are manufactured from high-quality virgin plastics for use with all standard repeating pipettes in a wide variety of applications.

- Compatible with Most Pipettes:** PD-Tip™ syringe tips are an excellent choice for the BRAND HandyStep® S and HandyStep® electronic repeating pipettes; the black-handled Eppendorf® Repeater®*; the FisherBrand repeating pipette; the Rainin® AutoRep™ E and AutoRep™ M; the Gilson® Repetman®; and all other repeating pipettes using standard tips. PD-Tip™ syringe tips are encoded for automatic recognition by the BRAND HandyStep® electronic repeating pipette, the Rainin® AutoRep™ E pipette, and the Gilson® Repetman®.
- Reliable:** A precision seal between the piston and cylinder ensure smooth operation, increased accuracy, and increased precision. Extended piston design minimizes dead volume and maximizes fluid utilization.
- Manufactured from High Quality Materials:** PD-Tip™ syringe tips are made entirely from high-quality virgin polyethylene and polypropylene. (Piston of 0.1mL tip is liquid crystal polymer-LCP).



Preserve Sample Integrity with BIO-CERT® Quality Sterile Tips

BIO-CERT® PD-Tip™ syringe tips are sterile, individually wrapped and certified free of DNA, RNase, endotoxins, and ATP to meet the most stringent sample integrity requirements. For more information on the sterility and purity levels, see page 12.

Calibration Support

BRAND PD-Tip™ syringe tips are supplied with a batch Certificate of Performance which documents tip accuracy and precision testing.



PD-Tip™ Syringe Tips, Syringe Tips, BIO-CERT® sterile, individually wrapped

Capacity, mL	Pack of	Cat. No.	2014 List Price
0.1mL	100	702683	167.00
0.5mL	100	702684	160.00
1mL	100	702685	160.00
1.25mL	100	702686	160.00
2.5mL	100	702688	160.00
5mL	100	702690	160.00
10mL	100	702691	160.00
12.5mL	100	702692	160.00
25mL, (one adapter included)	25	702694	47.00
50mL, (one adapter included)	25	702696	48.00
Adapter for 25mL and 50mL PD-Tip™ BIO-CERT® sterile, PP, autoclavable	15	702699	74.00

*The Eppendorf Repeater Plus, Repeater® M4, Repeater Pro, Stream, and XStream are designed to preclude their operation with any tips other than Eppendorf Combitips advanced®.

PD-Tip™ Syringe Tips, non-sterile

Capacity, mL	Pack of	Cat. No.	2014 List Price
0.1mL	100	702402	\$125.00
0.5mL	100	702370	117.00
1mL	100	702406	117.00
1.25mL	100	702372	117.00
2.5mL	100	702374	117.00
5mL	100	702376	117.00
10mL	100	702407	117.00
12.5mL	100	702378	117.00
25mL, (one adapter included)	50	702380	73.00
50mL, (one adapter included)	25	702382	42.00
PD-Tip™ Syringe Tips, non-sterile, assorted pack 0.5, 1, 1.25, 2.5, 5, 10 and 12.5mL sizes	20/size	702368	158.00
Adapter for 25mL and 50mL PD-Tip™ Syringe Tips non-sterile, PP, autoclavable	10	702398	94.00