

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.

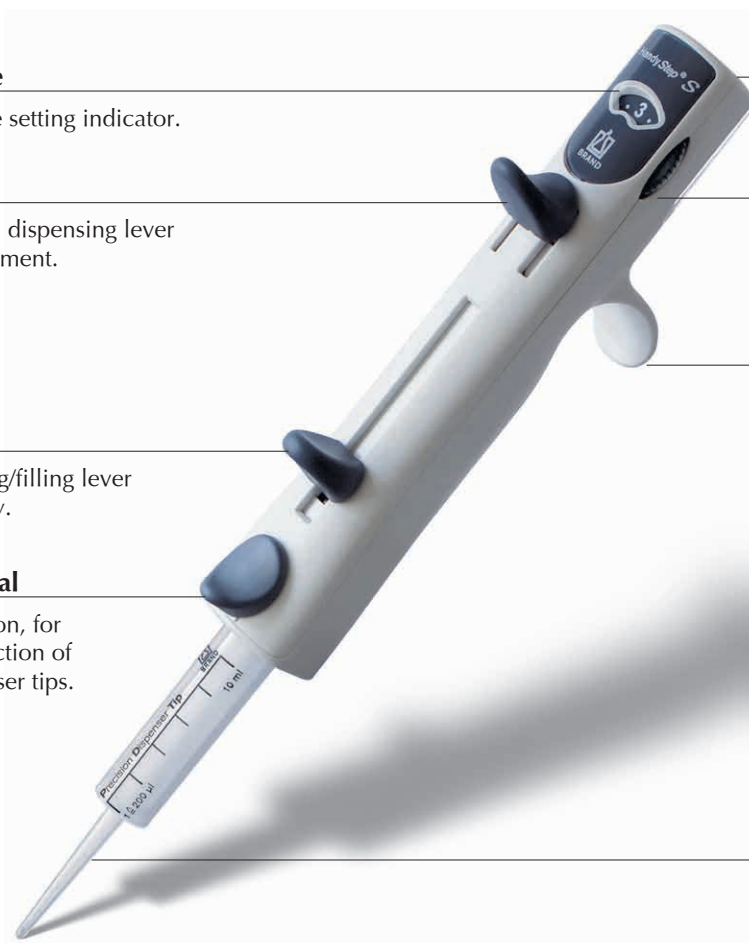
Shelf/Rack Mount

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
1.5	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

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