

HandyStep®

Serial pipetting is quick and easy with the ergonomically designed HandyStep® repeating pipette from BRAND. When used with BRAND PD-Tip™ syringe tips, the instrument can dispense volumes from 2µL to 1mL up to 49 times from a single aspiration. The HandyStep® is designed to increase productivity in a variety of repetitive biological and chemical pipetting applications.

- **Works with Most Tips:** Suitable for use with BRAND PD-Tip™ syringe tips, Eppendorf® Combitips®, Combitips® plus, Rainin® Encode™, and many other repeating pipette tips, eliminating the hassle of stocking and maintaining multiple tip inventories.
- **Dispenses Difficult Liquids:** Operates on the principle of positive displacement to reliably dispense viscous, high-density, and high vapor-pressure liquids. Tips isolate aspirated liquids from the pipette to minimize instrument exposure to corrosive reagents and solvents.
- **Rugged Design:** Proven locking/filling lever with no fragile electronic components.
- **Volume-setting Chart:** Convenient chart printed on instrument simplifies dispensing volume selection. (see adjacent chart)

The Rugged,
Reliable Tool
for Repetitive
Pipetting
Tasks.



Operating limits

- Liquids unsuitable for use with the HandyStep® repeating pipette and PD-Tips™ include those with:
 - a density exceeding 13.6 g/cm³;
 - a viscosity exceeding 20,000cSt (mm²/s);
 - vapor pressure exceeding 500mbar;
 - chemicals incompatible with tip materials (see page 115)
- Temperature of instrument and reagents must be between 59° and 104°F (15° and 40°C).
- Instrument cannot be autoclaved; pipetted liquid is not in contact with pipette.

Volume-setting Chart

Setting	1	2	3	4	5
Number of Steps	49	24	15	11	9
PD-Tip™ mL	Dispensing volume µL				
0.1	2	4	6	8	10
0.5	10	20	30	40	50
1.25	25	50	75	100	125
2.5	50	100	150	200	250
5.0	100	200	300	400	500
12.5	250	500	750	1000	1250
25.0	500	1000	1500	2000	2500
50.0	1000	2000	3000	4000	5000

HandyStep® Performance Specifications

HandyStep® with PD-Tip™, mL	Volume range (µL)	Nominal volume (A* ≤ ±%)		Nominal volume (CV** ≤%)	
		10%	2%	10%	2%
0.1	2-10	1.6	8.0	2.0	5.0
0.5	10-50	0.8	4.0	0.6	1.4
1.25	25-125	0.8	4.0	0.3	0.8
2.5	50-250	0.7	3.5	0.2	0.8
5.0	100-500	0.5	2.5	0.2	0.6
12.5	250-1250	0.3	1.5	0.2	0.4
25.0	500-2500	0.3	1.5	0.2	0.4
50.0	1000-5000	0.3	1.5	0.15	0.4

Measurements were achieved using BRAND PD-Tip™ syringe tips, at maximum volume with distilled water, obtained with instruments and water equilibrated at ambient temperature. Your results may differ due to operating conditions.
A* = Accuracy, CV** = Coefficient of variation

ORDERING INFORMATION

Description	Cat. No.	2009
		List Price
HandyStep® Repeating Pipette Includes wall support, operating manual, and two-year warranty	2705100	\$345.00
Wall support	705120	17.00

PD-Tip™ Syringe Tips

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. PD-Tip™ syringe tips are made without lubricants or chemical additives to prevent reagent contamination.

- **Compatible with Most Pipettes:** PD-Tip™ syringe tips are an excellent choice for the BRAND HandyStep® and HandyStep® *electronic* repeating pipettes; the black-handled Eppendorf® Repeater® and EDOS® 5221*; the Rainin® AutoRep™ E and AutoRep™ M; and all other repeating pipettes using standard tips. PD-Tip™ syringe tips are encoded for automatic recognition by the BRAND HandyStep® *electronic* repeating pipette and the Rainin® AutoRep™ E pipette.
- **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 without lubricants or other chemical additives. (Piston of 0.1mL tip is liquid crystal polymer-LCP).

The Perfect
Tips for Your
Repeating
Pipette.



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

ISO/GLP Calibration Support

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

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 19.

ORDERING INFORMATION

Capacity, mL	Cat. No.	2009 List Price
PD-Tip™ Syringe Tips, non-sterile		
0.1mL, pack of 100	702402	\$110.00
0.5mL, pack of 100	702370	103.00
1.25mL, pack of 100	702372	103.00
2.5mL, pack of 100	702374	103.00
5mL, pack of 100	702376	103.00
12.5mL, pack of 100	702378	103.00
25mL, pack of 50 (one adapter included)	702380	64.00
50mL, pack of 25 (one adapter included)	702382	36.00
PD-Tip™ Syringe Tips, non-sterile, assorted pack, 20 each of 0.5, 1.25, 2.5, 5 and 12.5mL sizes	702368	103.00
Adapter for 25mL and 50mL PD-Tip Syringe Tips, non-sterile, PP, autoclavable, pack of 10	702398	83.00
PD-Tip™ Syringe Tips, BIO-CERT® sterile, individually wrapped		
0.1mL, pack of 100	702683	147.00
0.5mL, pack of 100	702684	140.00
1.25mL, pack of 100	702686	140.00
2.5mL, pack of 100	702688	140.00
5mL, pack of 100	702690	140.00
12.5mL, pack of 100	702692	140.00
25mL, pack of 25 (one adapter included)	702694	40.00
50mL, pack of 25 (one adapter included)	702696	41.00
Adapter for 25 and 50mL PD-Tip™ Syringe Tips, BIO-CERT® sterile, PP, autoclavable, pack of 5	702699	64.00