

HandyStep® S

The uncomplicated repetitive pipette for complicated liquids

BRAND. For lab. For life.®

+ High viscosity, high density, high vapor pressure – no problem, thanks to the positive displacement principle
+ Compatible with BRAND PD-Tips and other positive displacement tips
+ Robust, stable and functional

REPETITIVE PIPETTES


HandyStep® S
5
BRAND
Precision Dispenser Tip
BRAND
10 ml

Get to know the HandyStep® *S*

The HandyStep® *S* repetitive pipette combines the application advantages of the positive displacement principle with easy operation, robust design and an attractive price-to-performance ratio.
Thanks to the positive displacement principle, the HandyStep® *S* is often the easy solution for liquids that are difficult to pipette. This includes highly viscous or wetting media, high density media, foaming media such as detergents or highly volatile liquids.
Its balanced weight distribution and the practical ergonomic positioning of operating elements makes work more efficient, even when pipetting long series. The ergonomic finger rest relieves strain on the hand, the positioning of the dispensing lever is easy on the thumb, and the stroke can be set with one hand, even while wearing gloves. Tips can be ejected with the press of a button, without having to touch the tips, making tip ejection contamination-free.
The HandyStep® *S* repetitive pipette works with the original BRAND PD-Tips *II*. Tips from many other manufacturers can also be used, providing maximum flexibility.
The simple, robust design and purely mechanical, battery-free operation make the HandyStep® *S* a reliable lab partner. Discover the application possibilities of the HandyStep® *S*.

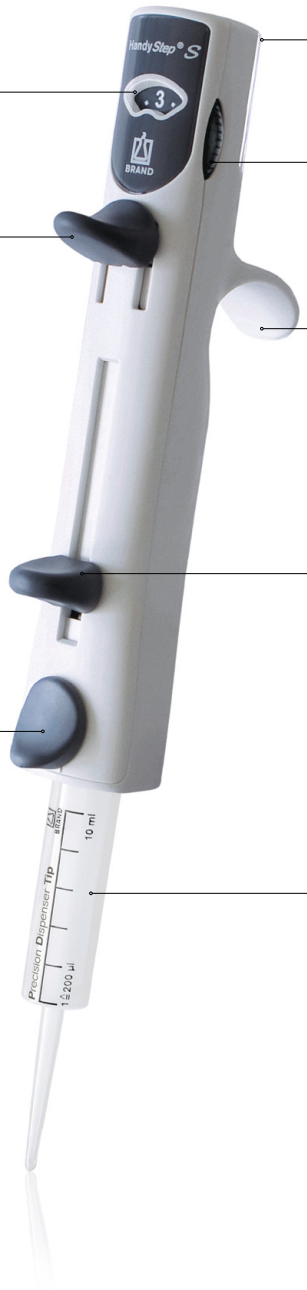


HandyStep® *S*

+ Volume range from 2 µl to 5 ml
+ Adjustable to 59 volumes and up to 49 dispensing steps
+ Weighs just 108 g
+ Easy tip connection – simply insert the PD-Tip

At a glance: Advantages of the HandyStep® *S*

The HandyStep® *S* is a robust repetitive pipette that uses the positive displacement principle. With the PD-Tips, the HandyStep® *S* covers a wide volume range from 2 µl to 5 ml and can be used in many different applications, including diagnostics, molecular biology and environmental analysis.



Precise

Clear, large stroke selection indicator – for fast, simple checking.

Perfectly placed

Optimally positioned dispensing lever, easy on the thumb.

Safe

At the push of a button! Ergonomic eject button for contact-free, safe ejection of contaminated dispenser tips.

Straightforward

Double-sided volume table on the back side for quick adjustments

Rapid

One-handed volume adjustment for right- and left-handed operators – even with gloves

Comfortable

Ergonomic finger loop to keep the hand relaxed, important when conducting long series

Simplified

Just one lever for locking the piston and filling the PD-Tip //

Versatile

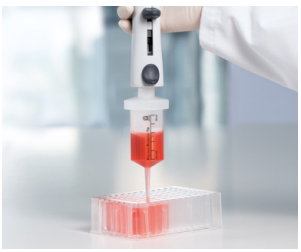
In addition to PD-Tips from BRAND, compatible dispenser tips from other manufacturers can also be used.

Volume table HandyStep® *S* with PD-Tips *II*

Offers 59 different partial volumes with different numbers of dispensing steps, depending on the PD-Tip size and stroke setting number used.

	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)										





Repetitive dispensing



Dispensing small volumes



The rack mount also fits the Transferpette® *S* bench-top rack.



Fast volume selection with the volume table on the back side

Ordering information



HandyStep® *S*
repetitive pipette, DE-M marked

Items supplied:
performance certificate, operating manual, shelf/rack mount.

	Pack of	Cat. No.
	1	705110

Accessories for simple and efficient work



Shelf/rack mount
for 1 HandyStep® *S* repetitive pipette

	Pack of	Cat. No.
	1	705130



Wall mount
for 1 HandyStep® *S* repetitive pipette

	Pack of	Cat. No.
	1	705129

PD-Tips *II*

PD-Tips *II*, Precision dispenser tips with type code

Capacity ml	Pack of	non-sterile Cat. No.	BIO-CERT® LIQUID HANDLING STERILE Cat. No.
0.1	100	705700	705730
0.5	100	705702	705732
1	100	705704	705734
1.25	100	705706	705736
2.5	100	705708	705738
5	100	705710	705740
10	100	705712	705742
12.5	100	705714	705744
25	50 + 1 adapter	705716	705746*
50	25 + 1 adapter	705718	705748
Set	20 pieces per size: 0.5 | 1 | 1.25 | 2.5 | 5 | 10 | 12.5 ml	705720	

* BIO-CERT®: pack of 25 + 1 adapter

Adapter

for 25 and 50 ml PD-Tips *II*, PP, autoclavable

Description	Pack of	Cat. No.
non-sterile	10	702398
BIO-CERT® LIQUID HANDLING STERILE	5	702399



Accuracy Table

The nominal volume refers to the maximum dispensable volume of the entire system, which consists of the multi-dispenser and the PD-Tip being used.
Error limits relative to the set dispensing volume as a function of PD-Tip size, at the same temperature (20 °C) of instrument, tip, ambient environment, and distilled water, as well as smooth and even handling. The test is carried out in accordance with DIN EN ISO 8655-7.

		Accuracy A ≤ ± %			Coefficient of variation CV ≤ %		
PD-Tip *II*	Volume range	Stroke setting ≙ % of nominal volume1 ≙ 1 ≙ 20%	3 ≙ 60%	5 ≙ 100%	Stroke setting ≙ % of nominal volume1 ≙ 1 ≙ 20%	3 ≙ 60%	5 ≙ 100%
0.1 ml	2 µl - 10 µl	4	2.4	1.6	6	3	2
0.5 ml	10 µl - 50 µl	2.5	1.5	1	2.5	1.5	1
1 ml	20 µl - 100 µl	2.5	1.5	1	2	1.2	0.8
1.25 ml	25 µl - 125 µl	2.5	1.4	0.9	2	1.1	0.7
2.5 ml	50 µl - 250 µl	1.8	1.1	0.7	1.5	0.9	0.6
5 ml	100 µl - 500 µl	1.8	1.1	0.7	3	1	0.6
10 ml	200 µl - 1000 µl	1.8	1.1	0.7	2	0.66	0.4
12.5 ml	250 µl - 1250 µl	1.8	1.1	0.8	2	0.66	0.4
25 ml	500 µl - 2500 µl	1.5	0.9	0.6	1.5	0.5	0.3
50 ml	1000 µl - 5000 µl	1.5	0.8	0.5	1.5	0.5	0.3

BRAND GMBH + CO KG
P.O. Box 1155 | 97861 Wertheim | Germany
T +49 9342 808 0 | F +49 9342 808 98000 | info@brand.de | www.brand.de

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HandyStep® *S* is made in Germany under BRAND patents US 8,652,4 18B2; EP 2 428 271 B1 and EP 2 415 525 B1. PD-Tips *II* possess features according to the BRAND patents USD825,750S and CN304542771S as well as the European Design Patents EM003763564 and EM004045847.

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BRAND (Shanghai) Trading Co., Ltd.
Shanghai, China

T +86 21 6422 2318
info@brand.com.cn
china.brand.com.cn

BRAND Scientific Equipment Pvt. Ltd.
Mumbai, India

T +91 22 42957790
customersupport@brand.co.in
www.brand.co.in

BRANDTECH® Scientific, Inc.
Essex, CT. United States of America

T +1 860 767 2562
info@brandtech.com
www.brandtech.com

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