

More than just precise – slim, light and dependable!



# HandyStep® S

Solutions for Science

F I R S T C L A S S · B R A N D

The **HandyStep® S** repetitive pipette fits the hand like a glove, offers highly dependable performance and is simple to operate.

■ **Truly stress-free!**

Well-balanced weight distribution, ergonomic control element layout

■ **Always dependable!**

Robust construction, inspired design, and innovative polymers

■ **Always ready to use!**

No battery-dependent display, no battery change!  
Integrated volume table

■ **Highly versatile!**

10 PD-Tip sizes, 59 different volumes. Accepts third-party dispenser tips!

■ **Contact-free!**

Eject tips with the press of a button – never any tip contact!



**HandyStep® S – the repetitive pipette for any occasion!**

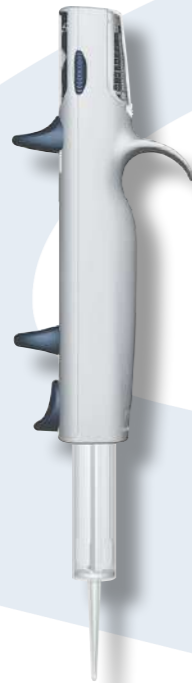
Ideal for routine or research applications in diagnostics, molecular biology, environmental analysis, and many more.

HandyStep® S and PD-Tips // work on the direct displacement principle. This offers the highest-precision dispensing of liquid media with high viscosity, high density, or high vapor pressure. Direct displacement permits contamination-free operation, since no aerosols are formed.

**More data and facts:**

- increased chemical resistance through innovative plastic materials
- easy tip mounting – PD-Tip // is now simply inserted from below
- dispensed volume range from 2 µl to 5 ml
- up to 49 dispensing steps
- weighs only 108 g
- suitable for use with BRAND PD-Tips and PD-Tips //, Encode™ tips, Repet tips, Combitips®, Combitips® plus and other compatible dispenser tips

# HandyStep® S Solutions for Science



Repetitive dispensing



Dispenser tip ejection

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

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

## At a glance ...

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

**Perfect!** Optimally positioned dispensing lever, easy on the thumb.

**Straightforward!** Double-sided volume table on the back side for quick adjustments! (see below)

**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 //

Rack mount for HandyStep® S

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

**Fast volume selection**

The double-sided volume table on the back side shows all the necessary stroke setting information at a glance.



Volume table HandyStep® S with PD-Tips //

Setting	Tip size (ml)										Steps
	0.1	0.5	1	1.25	2.5	5	10	12.5	25	50	
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



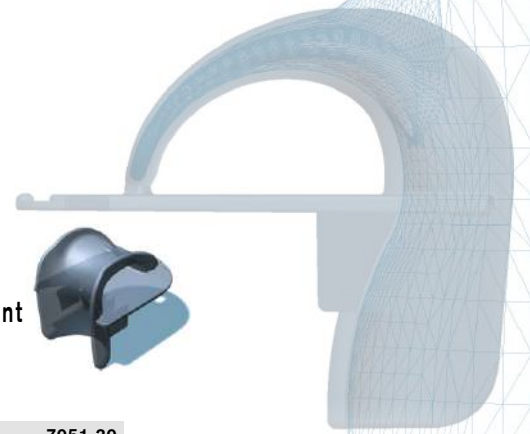
# Technical Data



## HandyStep® S

DE-M marking, with serial number, performance certificate, operating manual, shelf/rack mount, 3 PD-Tips //: 0.1 ml, 1 ml and 10 ml. Pack of 1.

Cat. No. **7051 10**



## Shelf / Rack mount

for HandyStep® S.  
Pack of 1.

Cat. No. **7051 30**

## PD-Tips //

Precision dispenser tips with type code.

Capacity ml	Pack of	non-sterile Cat. No.	BIO-CERT® Cat. No.
0,1	100	<b>705700</b>	<b>705730</b>
0,5	100	<b>705702</b>	<b>705732</b>
1,0	100	<b>705704</b>	<b>705734</b>
1,25	100	<b>705706</b>	<b>705736</b>
2,5	100	<b>705708</b>	<b>705738</b>
5	100	<b>705710</b>	<b>705740</b>
10	100	<b>705712</b>	<b>705742</b>
12,5	100	<b>705714</b>	<b>705744</b>
25	50 + 1 adapter	<b>705716</b>	<b>705746*</b>
50	25 + 1 adapter	<b>705718</b>	<b>705748</b>
Set of PD-Tips //, non-sterile, 20 pieces per size: 0.5/1/1.25/2.5/5/10/12.5 ml			<b>705720</b>

\* BIO-CERT®: pack of 25 + 1 adapter

PD-Tips BIO-CERT® are sterile, free of endotoxin, DNA, RNase and ATP.

## Adapter

for 25 and 50 ml PD-Tips and PD-Tips //, PP, autoclavable.

Description	Cat. No.
non-sterile, pack of 10 pcs	<b>702398</b>
sterile, BIO-CERT®, pack of 5 pcs	<b>702399</b>



## Accuracy Table (PD-Tips // from BRAND, 20 °C 'Ex')

PD-Tip // size ml	Volume range µl	A* ≤ ± %			CV* ≤ %		
		Stroke setting ± % of nominal volume 1 ± 2%	3 ± 6%	5 ± 10%	Stroke setting ± % of nominal volume 1 ± 2%	3 ± 6%	5 ± 10%
0.1	2 - 10	4.0	2.4	1.6	6.0	3.0	2.0
0.5	10 - 50	2.5	1.5	1.0	2.5	1.5	1.0
1	20 - 100	2.5	1.5	1.0	2.0	1.2	0.8
1.25	25 - 125	2.5	1.4	0.9	2.0	1.1	0.7
2.5	50 - 250	1.8	1.1	0.7	1.5	0.9	0.6
5	100 - 500	1.8	1.1	0.7	1.5	0.9	0.7
10	200 - 1000	1.8	1.1	0.7	2.0	1.2	0.8
12.5	250 - 1250	1.8	1.1	0.8	3.2	2.0	1.4
25	500 - 2500	1.5	0.9	0.6	3.0	1.5	1.0
50	1000 - 5000	1.5	0.8	0.5	5.0	1.8	1.2

A\* = Accuracy, CV\* = Coefficient of variation

The nominal volume is the maximum volume printed on the PD-Tip //.

Error limits refer to the partial volume set relative to the PD-Tip // size, obtained at equal temperature (20 °C) of instrument, tip, ambience and dist. H<sub>2</sub>O, and with smooth, steady operation. The testing is according to DIN EN ISO 8655-5.