

More than just precise – slim, light and dependable!



# HandyStep®<sup>S</sup>

## Solutions for Science

F I R S T C L A S S · B R A N D

The **HandyStep®<sup>S</sup>** 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, Encode™ tips, Repet tips, Combitips®, Combitips® plus and other compatible dispenser tips
- CE-**IVD**-compliant

# 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     |

Volume (µl)



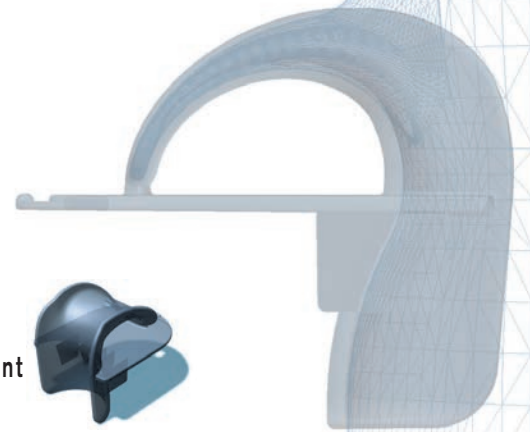
# Technical Data



## 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) from BRAND

| Capacity ml | Pack of  | non sterile Cat. No. | sterile** Cat. No. | BIO-CERT® Cat. No. |
|-------------|----------|----------------------|--------------------|--------------------|
| 0.1         | 100      | 7024 02              | 7024 04            | 7026 83            |
| 0.5         | 100      | 7023 70              | 7023 84            | 7026 84            |
| 1           | 100      | 7024 06              | 7024 36            | 7026 85            |
| 1.25        | 100      | 7023 72              | 7023 86            | 7026 86            |
| 2.5         | 100      | 7023 74              | 7023 88            | 7026 88            |
| 5           | 100      | 7023 76              | 7023 90            | 7026 90            |
| 10          | 100      | 7024 07              | 7024 38            | 7026 91            |
| 12.5        | 100      | 7023 78              | 7023 92            | 7026 92            |
| 25*         | 50/25*** | 7023 80              | 7023 94            | 7026 94            |
| 50*         | 25       | 7023 82              | 7023 96            | 7026 96            |



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

\* incl. 1 adapter, \*\* sterile/free of endotoxin – single wrapped, \*\*\* PD-Tips 25 ml: non sterile pack of 50 / sterile pack of 25

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

| 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.

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