

The Stepmate Stepper is a common instrument in diagnostics, molecular biology, environmental analysis, and many more.

Based on the principle of positive displacement, StepMate Stepper is designed for trouble-free and reliable dispensing of liquids, especially for high viscosity, high density and high vapor pressure. The 48-step dispensing allows for enhanced accuracy and usability.

## StepMate Stepper

### Features

- Light and ergonomic solution provide easy usability
- Single-handed operation
- Volume range from 1  $\mu$ L to 5mL
- Up to 48 dispensing steps
- Maintenance free
- Equipped with durable tip insertion lever
- Fits seven sizes of disposable polypropylene syringes from 0.5mL to 50mL

Optimized for smooth dispensing of even the smallest volumes

Five easy-to-select settings control dispensing volume

By pushing the slide upwards, the syringe is filled up

### How to select dispensing volume

- Find the required dispensing volume
- Use the adjusting wheel to set the required volume
- Select and insert suitable tips
- Follow the maximum dispensing steps

Tip volume

Dispensing Volume

Tips \ Sel	1	2	3	4	5
0.05ml	1 $\mu$ L	2 $\mu$ L	3 $\mu$ L	4 $\mu$ L	5 $\mu$ L
0.50ml	10 $\mu$ L	20 $\mu$ L	30 $\mu$ L	40 $\mu$ L	50 $\mu$ L
1.25ml	25 $\mu$ L	50 $\mu$ L	75 $\mu$ L	100 $\mu$ L	125 $\mu$ L
2.50ml	50 $\mu$ L	100 $\mu$ L	150 $\mu$ L	200 $\mu$ L	250 $\mu$ L
5.00ml	100 $\mu$ L	200 $\mu$ L	300 $\mu$ L	400 $\mu$ L	500 $\mu$ L
12.50ml	250 $\mu$ L	500 $\mu$ L	750 $\mu$ L	1000 $\mu$ L	1250 $\mu$ L
25.00ml	500 $\mu$ L	1000 $\mu$ L	1500 $\mu$ L	2000 $\mu$ L	2500 $\mu$ L
50.00ml	1000 $\mu$ L	2000 $\mu$ L	3000 $\mu$ L	4000 $\mu$ L	5000 $\mu$ L
Steps	48	23	15	11	8

Steps

The stop lever secures the syringe



# Stepper StepMate

DLAB stepper tips are particularly suitable for dispensing of fluids with high viscosity, high vapor pressure etc.

Tips are made from high-quality materials (Cylinder: PP, Piston: PE-HD) without soft lubricants or other additives.

## Specifications

Note: The first and last dispensing liquid should be discarded for precision.



Dial setting		1	2	3	4	5			
Number of steps		48	23	15	11	8			
Cat. No.	Syringe volume (mL)	Sample volume (µL)					A %	P %	Description
17900032	0.50	10	20	30	40	50	± 0.8	≤ 0.7	0,5 ml, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900033	1.25	25	50	75	100	125	± 0.8	≤ 0.5	1,25 ml, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900034	2.50	50	100	150	200	250	± 0.8	≤ 0.4	2,5 ml, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900035	5.00	100	200	300	400	500	± 0.4	≤ 0.3	5ml, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900036	12.50	250	500	750	1000	1250	± 0.3	≤ 0.3	12,5 ml, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900037	25.00	500	1000	1500	2000	2500	± 0.2	≤ 0.3	25ml, piston PE-HD, cylinder PP, 1 packing, 2pcs/packing with 1 pc adaptor
17900038	50.00	1000	2000	3000	4000	5000	± 0.2	≤ 0.2	50ml, piston PE-HD, cylinder PP, 1 packing, 2pcs/packing with 1 pc adaptor