

# StepMate Stepper

Positive-displacement, continuously adjustable, repetitive dispenser



Optimized for smooth dispensing of even the smallest volumes

Volume selection dial

Slide upwards to fill the dispenser tip

Stop lever to secure the dispenser tip

## Features

- Slim, light and robust
- Wide dispensing volume from 10 $\mu$ L to 5mL
- Up to 48 dispensing steps in succession
- Equipped with durable dispenser tip stop lever
- Fits different sizes of disposable polypropylene dispenser tips from 0.5mL to 50mL

## Applications

Ideal for any application requiring repetitive dispensing in the clinical, biological, chemical, food and beverage, pharmaceutical industry.

### How to select dispensing volume

Find the required dispensing volume in the table.

Use the volume selection dial to set the required volume.

Select and insert a suitable dispenser tip.

Follow the maximum dispensing steps as stated.

Dispenser tip Nominal Volume

Dispensing Volume per Step

Tips \ Sel.	1	2	3	4	5
0.5mL	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

## Precision Dispenser Tip

ONilab dispenser tips are convenient for viscous or foaming solutions, volatile liquids and applications where repetitive dispensing of volumes in long series is required

The dispenser tips are made from high quality materials 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.	dispenser tip volume	Dispensing volume per step					Systematic Error	Random Error	Description
	mL	μL					%	%	
17900032	0.50	10	20	30	40	50	± 0.8	≦ 0.7	0.5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900033	1.25	25	50	75	100	125	± 0.8	≦ 0.5	1.25mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900034	2.50	50	100	150	200	250	± 0.8	≦ 0.4	2.5mL, 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	12.5mL, 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 adapter
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 adapter