

# **STEPPER**<sup>™</sup>

REPEATER PIPETTE FOR ECOSTEP<sup>™</sup> SYRINGES



## repeater pipette

Latest generation of a compact and reliable instrument intended for serial dispensing within 10 to 5000  $\mu$ L. Associated with three Ecostep<sup>TM</sup> syringes only, it provides a broad choice of 53 different volumes, and up to 73 doses per filling.

Stepper™ has a unique trigger action mechanism eliminating thumb fatigue. It enables a precise activation movement and is best suited for repeat dispensing, aliquoting, tubes and plate filling. Two-year warranty.

### **Main values**

- 4-finger friendly trigger activation
- Setting knobs showing volumes and number of aliquots
- Only three positive displacement syringes
- Colour coded setting knobs and syringes
- Self-locking mechanism
- Regular and bioproof<sup>™</sup> Ecostep<sup>™</sup> syringes
- Broad chemical compatibility





## Instant volume Syreading ① fi

Select appropriate volume by simple rotation. Volume and corresponding number of aliquots are clearly visible.



### Syringe filling 2

Pull trigger to aspirate liquid for full or partial syringe filling.



## Ready to dispense 3

Instrument fits any hand in a very comfortable way.

### Finger activation with no thumb fatigue 4

Ergonomic, effortless distribution movements using four fingers.

## Release for next dose (5)

Easy trigger action to monitor fast or slow dispensing.



## Self-locking mechanism 6

Stop function prevents false delivery if remaining liquid is insufficient.



## syringes for Stepper<sup>TM</sup>



Three syringe sizes cover full volume range from 10 to 5000  $\mu$ L. Colour coding on syringe and selector button eliminates any setting error. The graduation helps monitoring syringe content. Available in standard non-sterile and sterile *bioproof*  $^{TM}$  versions. Compatible with all Stepper generations.

### **Reliable consumables**

- 19 different volumes per syringe
- Thin tip end to enter narrow tubes
- Non-sterile, bulk packaging
- Sterile, bioproof™, single-wrapped
- Compatible with all Stepper<sup>™</sup> generations

### Volume and aliquot chart

No. of aliquots	Volume µL	Volume µL	Volume µL
73	10	50	500
49	15	75	750
36	20	100	1000
29	25	125	1250
24	30	150	1500
20	35	175	1750
18	40	200	2000
15	45	225	2250
14	50	250	2500
12	55	275	2750
11	60	300	3000
10	65	325	3250
9	70	350	3500
8	75	375	3750
8	80	400	4000
7	85	425	4250
7	90	450	4500
7	95	475	4750
6	100	500	5000





### Noble resin materials ⑦

Selected materials provide for excellent chemical resistance. Scan QR code to access chemical chart for further details.

## **Reusable syringe adapter** <sup>(8)</sup> Available with each bag or as spare part.



### **High purity grade syringes**

Each batch of sterilized, single wrapped Ecostep<sup>TM</sup> syringes is tested by independent laboratories for sterility, and certified free of detectable DNase, RNase, human DNA and Pyrogen (endotoxin).

### **Performance**

Volume µL	Performance at	Inaccuracy (E%)	Imprecision (CV%)
10 - 100	20 μL	<± 1.5 %	< 1.5 %
	100 μL	<± 1.0 %	< 0.8 %
50 - 500	100 μL	<± 1.0 %	< 1.0 %
	500 μL	<± 0.5 %	< 0.5 %
500-5000	1000 μL	<± 0.8 %	< 1.2 %
	5000 μL	<± 0.5 %	< 0.4 %

Performance values obtained with bidest, water at constant temperature (± 0.5°C)

comprised between 20 and 25  $^{\circ}\text{C}$  in accordance with ISO 8655





## applications and ordering

### Multi purpose use 9



Positive displacement Ecostep™ syringes avoid any direct liquid contact with instrument. Chemicals such as acids, bases, solvents and foaming liquids are easily distributed, as well as viscous and high-density reagents.

### Aliquoting and serial distribution (10 (1)





Stepper™ is best suited for dividing samples in small portions, for precise dispensing in tubes and vials or screening procedures.

### **Running test kits** 12



Both Stepper™ and Ecostep™ syringes provide for reliable sample preparation and dilution work, as well as for kit reagent distribution.

### **Ordering information**

Description	Packaging	Cat. No.		
Stepper <sup>™</sup> 416 (incl. 3 setting knobs, adapter, syringe samples)	1 / pk	416.5000		
Replacement adapter for red Ecostep™ syringe	5 / pk	1.411.7		
Stand for one Stepper™	1 / pk	320.411		
Ecostep™ bioproof™ sterile, single wrapped				
Yellow, 10 - 100 μL, capacity 0.75 mL	50 / pk	316.010.9		
Blue, 50 - 500 μL, capacity 3.75 mL	50 / pk	316.050.9		
Red, 500 - 5000 µL, capacity 37.5 mL	50 / pk	316.500.9		
Ecostep™ non sterile, bulk				
Yellow, 10 - 100 μL, capacity 0.75 mL	100 / pk	316.010		
Blue, 50 - 500 μL, capacity 3.75 mL	100 / pk	316.050		
Red, 500 - 5000 μL, capacity 37.5 mL	100 / pk	316.500		
Ecostep™ selection packs				
20 ea. yellow, blue and red syringes	60 / pk	316.900		
20 ea. sterile, single wrapped yellow, blue and red syringes	60 / pk	316.900.9		

### QC certificate and warranty

Individual quality control certificates issued after stringent tests. See package insert for complete warranty terms, safety precautions and operating instructions. Product and specifications are subject to change without prior notice.



### Stand for Stepper™ <sup>(3)</sup>



### **Ecostep™ selection packs** <sup>(4)</sup>



Packs include 20 ea. of yellow, blue and red syringes in sterile or non-sterile versions.

### Your local distributor



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