

Repeater pipette

The Stepper™ 416

- Repeater pipette
- Ecostep™ syringes



Repeater pipette

The Stepper™ 416

Latest generation of a compact and reliable instrument intended for serial dispensing within 10 to 5000 µL. Associated with three Ecostep™ 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.

- 4-finger activation eliminates thumb fatigue
- Setting knobs bear clear indication of volumes and number of aliquots
- Three positive displacement syringes, colour-coded
- Self-locking mechanism
- Ecostep™ syringes in regular and *bioproof™* versions



416

10 - 5000 µL



Clear setting indication

After inserting disposable syringe, select appropriate volume. Markings on selector buttons allow direct reading of set volume and corresponding number of aliquots.



Fingertip activation

User-friendly 4-finger trigger action eliminates thumb fatigue during repeat dosing.



Aliquoting and serial distribution

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

Self-locking mechanism

Stop function prevents false delivery if remaining liquid is insufficient.



Ordering information

Description	Packaging	Cat. No.
Stepper™ 416 (incl. 3 colour-coded selector buttons, 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

Syringes for Stepper™

The Ecostep™ syringes

Three syringe sizes cover full volume range from 10 to 5000 µL. 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™* versions. Compatible with all Stepper™ generations.

- 19 different volumes per syringe
- Up to 73 doses per filling
- Thin tip end to enter narrow tubes
- Non-sterile, bulk packaging
- Sterile, *bioproof™*, single-wrapped
- Compatible with all Stepper™ generations

316

- 10 - 100 µL
- 50 - 500 µL
- 500 - 5000 µL



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

Ecostep *bioproof™*

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



Noble resin materials

Selected materials provide for excellent chemical resistance.




View chart

Parts	Materials
Syringe plunger	HD-PE
Syringe cylinder	PP Copolymer

Performance and ordering information - Ecostep™

Volume	Performance at	Inaccuracy (E%)	Imprecision (CV%)	Syringe capacity	Sterilized & <i>bioproof™</i>	Packaging	Cat. No.
10 - 100 µL	20 µL 100 µL	<± 1.5 % <± 1.0 %	< 1.5 % < 0.8 %	0.75 mL	No Yes	100 / pk 50x 1 / pk	316.010 316.010.9
50 - 500 µL	100 µL 500 µL	<± 1.0 % <± 0.5 %	< 1.0 % < 0.5 %	3.75 mL	No Yes	100 / pk 50x 1 / pk	316.050 316.050.9
500 - 5000 µL	1000 µL 5000 µL	<± 0.8 % <± 0.5 %	< 1.2 % < 0.4 %	37.5 mL	No Yes	100 / pk 50x 1 / pk	316.500 316.500.9

Performance values obtained with bidest. water at constant temperature (± 0.5°C) comprised between 20 and 25°C in accordance with ISO 8655



Selection packs

Ecostep™ selection packs include 20 ea. of yellow, blue and red syringes. They provide maximal flexibility at attractive costs.

Ordering information

Description	Packaging	Cat. No.
Ecostep™ selection pack	60 / pk	316.900
Ecostep <i>bioproof™</i> selection pack sterile, single wrapped	60x 1 / pk	316.900.9



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