

Adjustable repeater pipette **411** **Stepper**

- Volume ranging from **10 to 5000 µL**
- Ergonomic design fits any hand
- 53 different sample volumes
- Only 3 Ecostep™ syringes, colour coded
- Fingertip - no thumb - operation
- Self-locking mechanism



“Unique trigger action pipette for fast dispensing without thumb fatigue”

Selector buttons colour coded to the syringes show set volume and number of available doses. Convenient workstation supplied with each instrument.

Features of Stepper 411

State-of-the-art mechanism intended for reliable dispensing and high performance results. Automatic safety lock prevents false delivery if the liquid available in the syringe is insufficient.

User friendly finger tip action eliminates thumb fatigue. Direct reading of volume and number of aliquots on selector button. Colour coded disposable syringes suppress contamination and carry-over.

Materials used in the Stepper 411 combine light weight, shock resistance and long life advantages. Compact and simple shape limits risk of internal contamination and corrosion.

Calibration certificate issued for each individual instrument during stringent quality control tests. One year warranty.

Dosing range

Large selection of 53 different volumes.



No. of aliquots	Volume μL	Volume μL	Volume μL
73	10	50	500
49	15	75	750
36	20	100	1 000
29	25	125	1 250
24	30	150	1 500
20	35	175	1 750
18	40	200	2 000
15	45	225	2 250
14	50	250	2 500
12	55	275	2 750
11	60	300	3 000
10	65	325	3 250
9	70	350	3 500
8	75	375	3 750
8	80	400	4 000
7	85	425	4 250
7	90	450	4 500
7	95	475	4 750
6	100	500	5 000

Simple and quick operation



Insert syringe of selected volume range.



Insert selector button with colour code matching that of the syringe. Set to desired volume.



Fill syringe by raising plunger rod.



Self-locking mechanism



Instrument ready for fast and precise repeated dosing by depressing trigger with fingers.

Performance

Range	Syringe capacity	Performance at volume	Inaccuracy (Mean. err. %)	Imprecision (CV %)
■ 10-100 μL	0.75 mL	10 μL 100 μL	$\pm 2\%$ $\pm 1\%$	$< 2\%$ $< 1\%$
■ 50-500 μL	3.75 mL	100 μL 500 μL	$\pm 1\%$ $\pm 0.7\%$	$< 1\%$ $< 0.8\%$
■ 500-5000 μL	37.50 mL	1000 μL 5000 μL	$\pm 0.5\%$ $\pm 0.5\%$	$< 0.8\%$ $< 0.5\%$

Ordering information

Cat. No.	Description
411.5000	Stepper 411 including 3 colour coded selector buttons, adapter, Ecostep™ syringe samples and PVC workstation
320.411	Replacement PVC workstation
1.411.7	Adapter for red Ecostep™ syringe

Cat. No.	Ecotest™ syringes (PE/PP)	Packaging
316.010	■ Non sterile, 10-100 μL	100 / box
316.010.9	■ Sterile, single wrapped	100 / box
316.050	■ Non sterile, 50-500 μL	100 / box
316.050.9	■ Sterile, single wrapped	100 / box
316.500	■ Non sterile, 500-5000 μL	100 / box
316.500.9	■ Sterile, single wrapped	100 / box

Your distributor :

