

Lab1st Unique

Fully Autoclavable Mechanical Pipette

The Lab1st new generation fully autoclavable mechanical pipette has the best ergonomic design and ultralight weight. It has been designed keeping in mind the human form and human factors to offer smooth and effortless ergonomic pipetting experience. It is UV sterilisable and resistant to strong chemical corrosion. In addition, the volume lock helps protect from volume changing accidentally, and achieve reliable pipetting of smallest volume of liquids.



Ultra-light ergonomic design

Light weight and light pipetting force with soft range adjustment and piston movement offers effortless & fatigue-less pipetting experience.



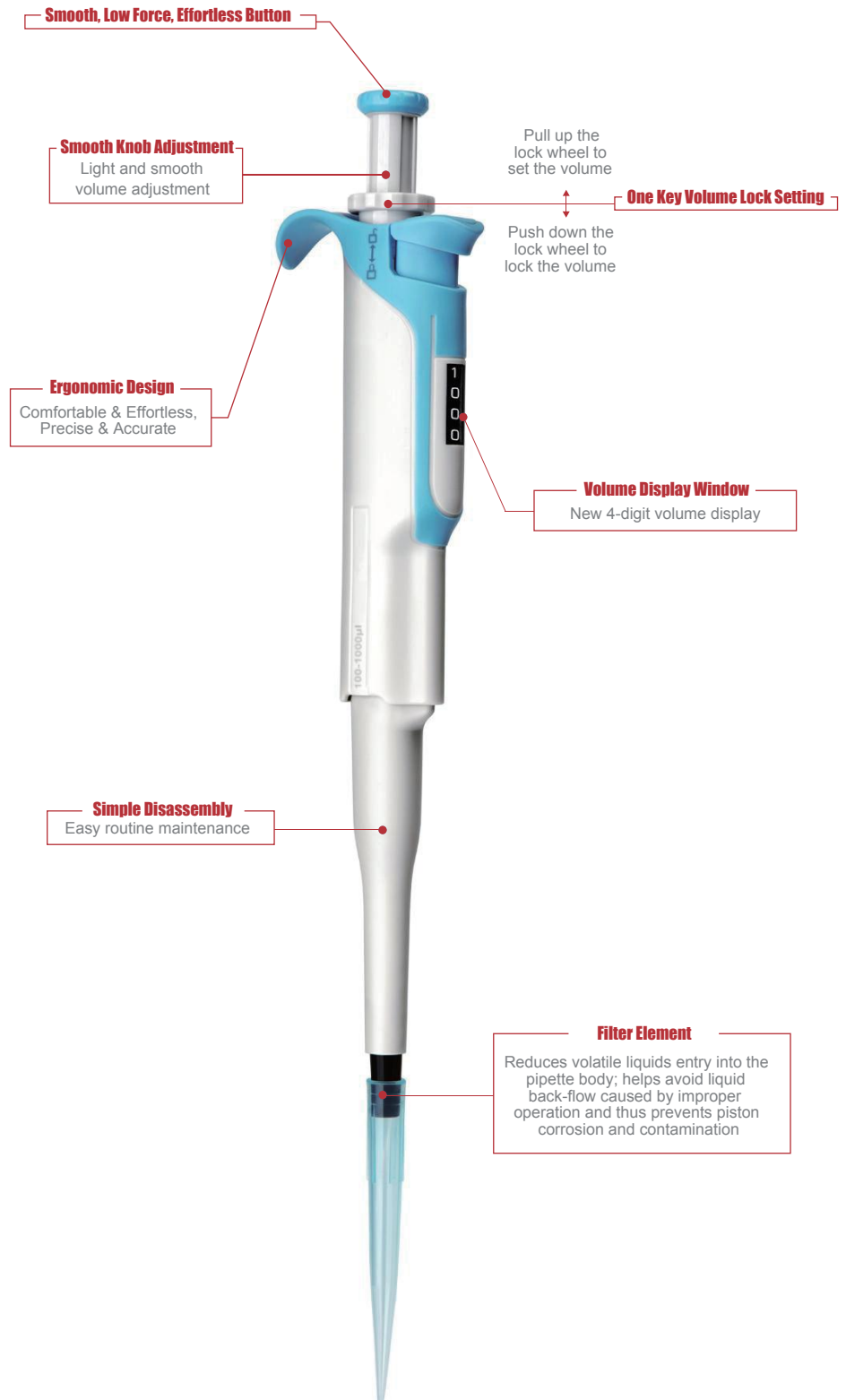
Accurate pipetting

Special material and the updated components & technologies effectively reduces the operating force for accuracy, precision and reliability.



Complete sterilization

The best in class pipette material used is fully autoclavable. It gives better protection against chemical & physical corrosion, and offers enhanced UV resistance for higher durability.



Specifications
**SINGLE-CHANNEL ADJUSTABLE VOLUME PIPETTES
(10 MODELS, COVERING 0.1 μ L~10mL.)**

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
			μ L	%	μ L	%
0.1-2.5	0.002	2.5	± 0.04	± 1.4	± 0.02	± 0.7
		1.25	± 0.03	± 2.5	± 0.02	± 1.5
		0.25	± 0.03	± 12.0	± 0.02	± 6.0
0.5-10	0.01	10	± 0.10	± 1.0	± 0.04	± 0.4
		5	± 0.08	± 1.5	± 0.04	± 0.8
		1	± 0.03	± 2.5	± 0.02	± 1.8
2-20	0.02	20	± 0.20	± 1.0	± 0.06	± 0.3
		10	± 0.12	± 1.2	± 0.06	± 0.6
		2	± 0.10	± 5.0	± 0.03	± 1.5
5-50	0.05	50	± 0.45	± 0.9	± 0.15	± 0.3
		25	± 0.35	± 1.4	± 0.20	± 0.8
		5	± 0.15	± 3.0	± 0.08	± 1.6
10-100	0.1	100	± 0.80	± 0.8	± 0.20	± 0.2
		50	± 0.50	± 1.0	± 0.15	± 0.3
		10	± 0.30	± 3.0	± 0.10	± 1.0
20-200	0.2	200	± 1.20	± 0.6	± 0.40	± 0.2
		100	± 1.00	± 1.0	± 0.30	± 0.3
		20	± 0.50	± 2.5	± 0.14	± 0.7
30-300	0.2	300	± 1.80	± 0.6	± 0.60	± 0.2
		150	± 1.50	± 1.0	± 0.45	± 0.3
		30	± 0.75	± 2.5	± 0.21	± 0.7
100-1000	1	1000	± 6.00	± 0.6	± 2.00	± 0.2
		500	± 5.00	± 1.0	± 1.00	± 0.2
		100	± 3.00	± 3.0	± 0.60	± 0.6
1000-5000	5	5000	± 30.00	± 0.6	± 10.00	± 0.2
		2500	± 15.00	± 0.6	± 7.50	± 0.3
		1000	± 12.00	± 1.2	± 3.00	± 0.3

User calibration should refer to the industrial standard ISO8655-2.

Lab1st Liquid Handling range includes Pipettes (Electronic Pipettes & Mechanical Pipettes), Pipette Filler, Pipette Controller and Stepper.

List of Lab1st models

Series	Image	Model	Application	Operation Method	Volume Range	Channel Option	Autoclavable
Mechanical Pipette		Lab1st Unique	Aqueous solution	Mechanical	0.1-10000µL	Single channel	YES
		Lab1st Precision Plus	Aqueous solution	Mechanical	0.1-5000 µL	Single Channel Adj. & Fixed;	YES
					0.5-300 µL	8 Channel Adj.; 12 Channel Adj.;	
	ComPette Pro	Aqueous solution	Mechanical	25-300 µL	Single Channel Fixed	NO	
Electronic Pipette		EliPette Pro	Aqueous solution	Electronic	0.5-1000µL	Single Channel Adj.	YES (lower part)
					0.5-300 µL	8 Channel Adj.	
		EliPette	Aqueous solution	Electronic	0.5-1000µL	Single Channel Adj.	YES (lower part)
Pipette Filler		Eva Pro	Aqueous solution	Electronic	0.1-100mL	Single channel	YES (silicon adapter&nozzle)
		Eva Plus	Aqueous solution	Electronic	0.1-100mL	Single channel	YES (silicon adapter&nozzle)
Pipette Controller		Eva +	Aqueous solution	Mechanical	0.1-100mL	Single channel	YES (silicon adapter&nozzle)
Pipette Pump		Eva	Aqueous solution	Mechanical	2-25 mL	Single channel	NO
Stepper		Stepette	Aqueous solution, high viscosity or volatile solution	Mechanical	0.5-50 mL	Single channel	NO

In addition to Pipettes, Liquid Handling series also include various Dispensers, Electronic Burette and Vacuum Aspiration System, which are used for the pipetting, dispensing, and collection of reagents with a wider range.

List of Lab1st models



Product Name	Bottle-Top Dispenser	New Bottle-Top Dispenser	Electronic Bottle-Top Dispenser	Electronic Burette	Vacuum Aspiration System	Economical Vacuum Aspirator
Model	Frespenser	Frespenser Plus	Frespenser Pro	Lab1st Patience	Vacpette Plus	Vacpette
Application	Reagent pipetting and liquid dispensing			Used in titration operations in chemical analysis, food industry, environmental analysis	Liquid collection and storage treatment, including cell culture medium, suspension, supernatant.	
Operation	Manual	Manual	Electronic	Electronic	Electronic	Electronic
Volume Range	0.5-5 mL 1.0-10mL 2.5-25 mL 5.0-50 mL	0.5-5 mL 1.0-10mL 2.5-25 mL 5.0-50 mL 10-100mL	0.1-99.9 mL	0.01-99.99 mL	Vacuum range: 0-600mbar Bottle volume:4L	Vacuum range: 0-500mbar Bottle volume:2L
Reagent Recovery Function	NO	Yes	Yes	Yes	NO	NO
Features	-	-Pro Glass piston (Part volume)	-	-	Sensitive level sensor,Self-closing connector	1L bottle optional, Switch manual and continuous aspiration
Fully autoclavable	The part where the liquid flows	Whole	-	-	The part where the liquid flows	The part where the liquid flows
Accessories	Screw adapter	Screw adapter	Spiral dispensing pipe	Spiral dispensing pipe	Handle adapter	Handle adapter