HiPette-LTS & HiPette

Fully Autoclavable (Light Touch) Manual Adjustable Colorful Pipette

The DLAB 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

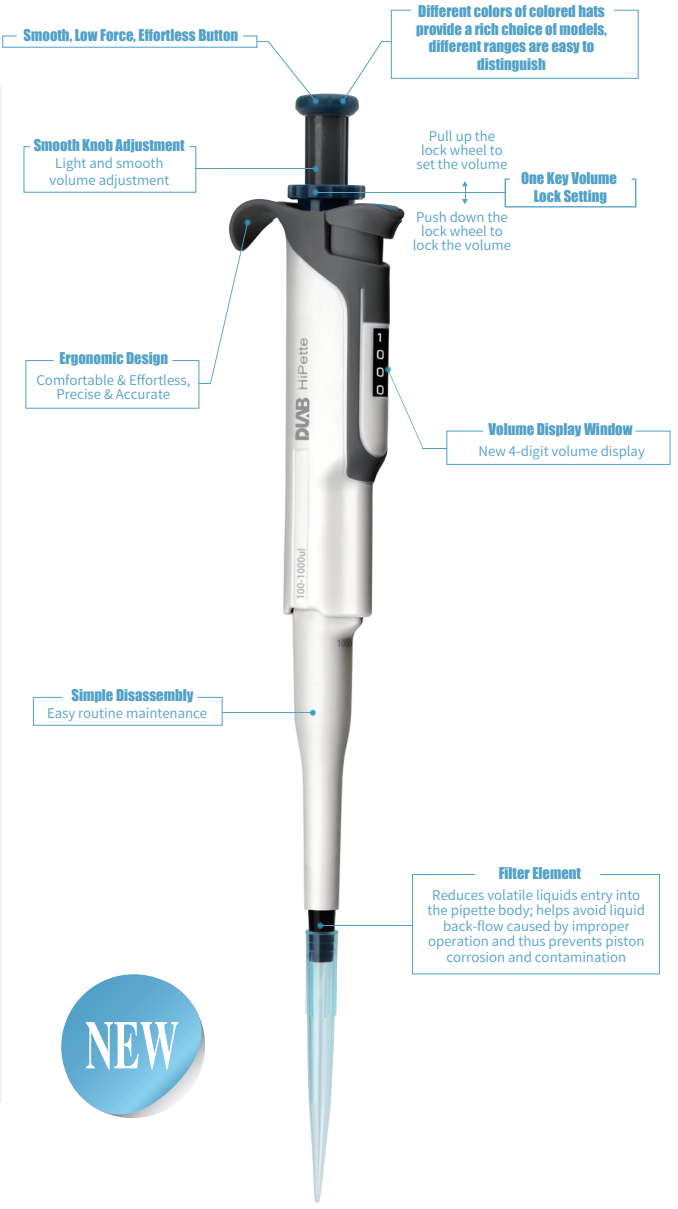
Light weight and light pipetting force with soft range adjustment and piston movement offers effortless &fatigue-less pipetting experience.

Accurate pipetting

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

Complete sterilization

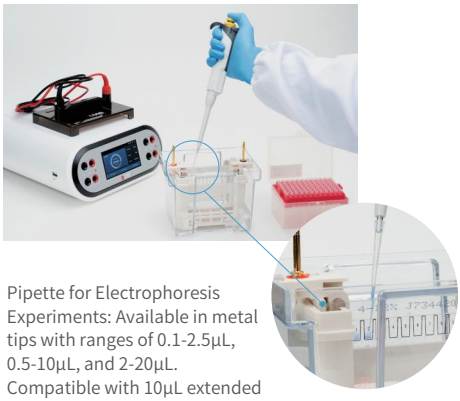
The best in class pipette material used is fully autoclavable. It gives better protection against chemical & physical corrosion, and offers enhanced UV resistance for higher durability.



HiPette

Manual Single-Channel Adjustable Color Pipette (Metal Tip)

NEW



Pipette for Electrophoresis Experiments: Available in metal tips with ranges of 0.1-2.5µL, 0.5-10µL, and 2-20µL. Compatible with 10µL extended tips, ensuring fast, accurate, and stable loading for electrophoresis.

Small Tips for Electrophoresis Sample Loading:

- Shake the sample and Marker before loading.
- When loading, press the tip against the short glass plate, slightly tilt the HiPette electrophoresis-specific pipette to contact the liquid surface, and then add the sample slowly and evenly into the well comb to reduce bubble formation.
- Use extended pipette tips and replace the tip for each well to avoid sample and Marker contamination.
- Ensure that the sample volume and loading volume are consistent.
- Avoid using the outermost wells to prevent bending of bands due to uneven electric fields. Fill the wells with loading buffer if needed.
- Ensure the pipette tip is securely attached. The HiPette electrophoresis-specific pipette has two settings: first, press to the first setting, then immerse the tip into the sample and release the plunger. For sample loading, press down slowly, then switch to the second setting to ensure the entire sample is dispensed.
- Add buffer first, then add the sample to avoid sample being pushed to the sides.

HiPette

Fully Autoclavable Manual 8&12&16-Channel Adjustable Colorful Pipette

Color Coding:
Different colored caps correspond to different volume ranges.

Ergonomic Design:
The entire pipette is lightweight with a light press force. Ejecting the tip requires minimal effort, and the press stroke is of moderate length. The comfortable finger rest reduces hand fatigue, while the handle is easy and comfortable to grip.

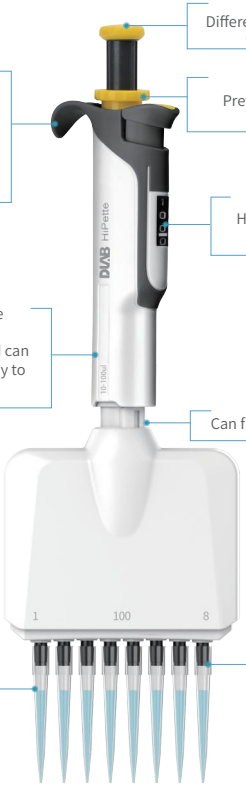
Volume Lock Design:
Prevents accidental changes in volume.

4-Digit Display:
High accuracy and clear volume readings.

High-Temperature and High-Pressure Sterilization:
The entire pipette can be autoclaved and can also be disinfected with UV light. It is easy to disassemble and maintain.

Can freely rotate 360° in any direction.

NEW



Strong repeatability and consistency across 8 channels.

Elastic Nozzle Function:
No need for repeated tapping; a light touch can securely attach the pipette tips, providing good tightness and consistency for multi-channel pipetting and reducing the force required for ejection.

Specifications

SINGLE-CHANNEL ADJUSTABLE VOLUME PIPETTES
(10 MODELS, COVERING 0.1μL~10mL.)

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
μL	μL	μL	μL	%	μL	%
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
500-5000	5	5000	±30.00	±0.6	±10.00	±0.2
		2500	±15.00	±0.6	±7.50	±0.3
		500	±12.00	±2.4	±3.00	±0.6
1000-10000	10	10000	±60.00	±0.6	±20.00	±0.2
		5000	±40.00	±0.8	±10.00	±0.2
		1000	±30.00	±3.0	±6.00	±0.6

7030700000	Set 1：0.5-10μL+10-100μL+100-1000μL+Linear Stand+Cap opener+Hipette pen
7030800000	Set 2：2-20μL+20-200μL+100-1000μL+Linear Stand+Cap opener+Hipette pen
7030900000	Set 3：100-1000μL+0.5-5mL+1-10mL+Linear Stand+Cap opener+Hipette pen

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

8-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
µL	µL	µL	µL	%	µL	%
0.5-10	0.01	10	±0.20	±2.0	±0.12	±1.2
		5	±0.20	±4.0	±0.125	±2.5
		1	±0.10	±10.0	±0.06	±6.0
5-50	0.05	50	±0.60	±1.2	±0.30	±0.6
		25	±0.50	±2.0	±0.30	±1.2
		5	±0.25	±5.0	±0.20	±4.0
10-100	0.1	100	±1.00	±1.0	±0.50	±0.5
		50	±0.60	±1.2	±0.50	±1.0
		10	±0.40	±4.0	±0.25	±2.5
20-200	0.2	200	±2.00	±1.0	±1.00	±0.5
		100	±1.50	±1.5	±0.80	±0.8
		20	±0.80	±4.0	±0.40	±2.0
30-300	0.2	300	±3.00	±1.0	±1.50	±0.5
		150	±2.25	±1.5	±1.20	±0.8
		30	±1.20	±4.0	±0.60	±2.0

12-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
µL	µL	µL	µL	%	µL	%
0.5-10	0.01	10	±0.2	±2.0	±0.12	±1.2
		5	±0.2	±4.0	±0.125	±2.5
		1	±0.1	±10.0	±0.06	±6.0
5-50	0.05	50	±0.6	±1.2	±0.3	±0.6
		25	±0.5	±2.0	±0.3	±1.2
		5	±0.25	±5.0	±0.2	±4.0
10-100	0.1	100	±1.0	±1.0	±0.5	±0.5
		50	±0.6	±1.2	±0.5	±1.0
		10	±0.4	±4.0	±0.25	±2.5
20-200	0.2	200	±2.0	±1.0	±1.0	±0.5
		100	±1.5	±1.5	±0.8	±0.8
		20	±0.8	±4.0	±0.4	±2.0
30-300	0.2	300	±3.0	±1.0	±1.5	±0.5
		150	±2.25	±1.5	±1.2	±0.8
		30	±1.2	±4.0	±0.6	±2.0

16-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
µL	µL	µL	µL	%	µL	%
1-20	0.01	20	±0.40	±2.0	±0.2	±1.0
		10	±0.40	±4.0	±0.2	±2.0
		2	±0.16	±8.0	±0.1	±5.0
5-100	0.1	100	±1.00	±1.0	±0.6	±0.6
		50	±0.60	±1.2	±0.4	±0.8
		10	±0.30	±3.0	±0.2	±2.0