



SCICHROLAB



Liquid Handling






Liquid Handling

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

List of models:

Series	Image	Model	Application	Operation Method	Volume Range	Channel Option	Autoclavable	Page
Mechanical Pipette		HiPette	Aqueous solution	Mechanical	0.1-10000 μ L	Single channel	YES	p.5
		MicroPette Plus	Aqueous solution	Mechanical	0.1-5000 μ L	Single Channel Adj. & Fixed;	YES	p.7
					0.5-300 μ L	8 Channel Adj.; 12 Channel Adj.;		
		MiniPette	Aqueous solution	Mechanical	25-300 μ L	Single Channel Fixed	NO	p.19
Electronic Pipette		dPette+	Aqueous solution	Electronic	0.5-1000 μ L	Single Channel Adj.	YES (lower part)	p.11
					0.5-300 μ L	8 Channel Adj.		
		dPette	Aqueous solution	Electronic	0.5-1000 μ L	Single Channel Adj.	YES (lower part)	p.13
Pipette Filler		Levo Plus	Aqueous solution	Electronic	0.1-100mL	Single channel	YES (silicon adapter&nozzle)	p.15
		Levo Me	Aqueous solution	Electronic	0.1-100mL	Single channel	YES (silicon adapter&nozzle)	p.17
Pipette Controller		Levo	Aqueous solution	Mechanical	0.1-100mL	Single channel	YES (silicon adapter&nozzle)	p.18
Pipette Pump		Levo E	Aqueous solution	Mechanical	2-25mL	Single channel	NO	p.19
Stepper		StepMate	Aqueous solution, high viscosity or volatile solution	Mechanical	0.5-50mL	Single channel	NO	p.20

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 models:



Product Name	Bottle-Top Dispenser	New Bottle-Top Dispenser	Electronic Bottle-Top Dispenser	Electronic Burette	Vacuum Aspiration System	Economical Vacuum Aspirator	Bench top compact vacuum aspirator
Model	DispensMate	DispensMate-Pro	dFlow	dTrite	SafeVac	EcoVac	Smart VAC
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.		The product features for the aspiration and processing of liquids including cell culture media, suspensions, and supernatants.
Operation	Manual	Manual	Electronic	Electronic	Electronic	Electronic	Electronic
Volume Range	0.5-5mL 1.0-10mL 2.5-25mL 5.0-50mL	0.5-5mL 1.0-10mL 2.5-25mL 5.0-50mL 10-100mL	0.1-99.9mL	0.01-99.99mL	Vacuum range: 0-600mbar Bottle volume:4L	Vacuum range: 0-500mbar Bottle volume:2L	Vacuum level 600mbar; Collection bottle volume: 1L
Reagent Recovery Function	NO	Yes	Yes	Yes	NO	NO	NO
Features	-	-Pro Glass piston (Part volume)	-	-	Sensitive level sensor, Self-closing connector	1L bottle optional, Switch manual and continuous aspiration	Optional 500mL bottle and filtration flask
Fully autoclavable	The part where the liquid flows	Whole	-	-	The part where the liquid flows	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	-
Page	P.25	P.24	P.23	P.22	P.26	P.28	P.30

HiPette

Fully Autoclavable Mechanical Pipette

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.



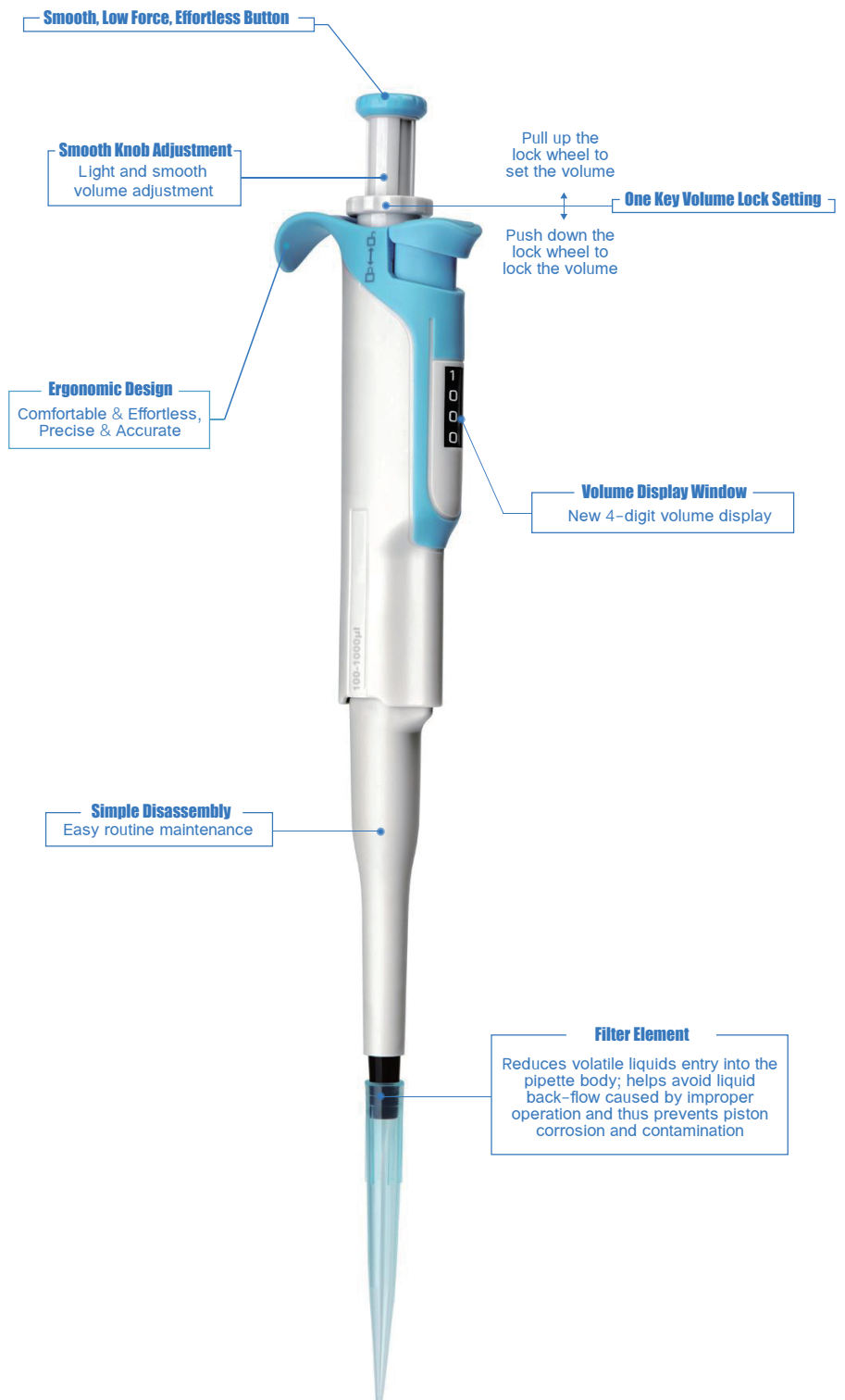
Accurate pipetting

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
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

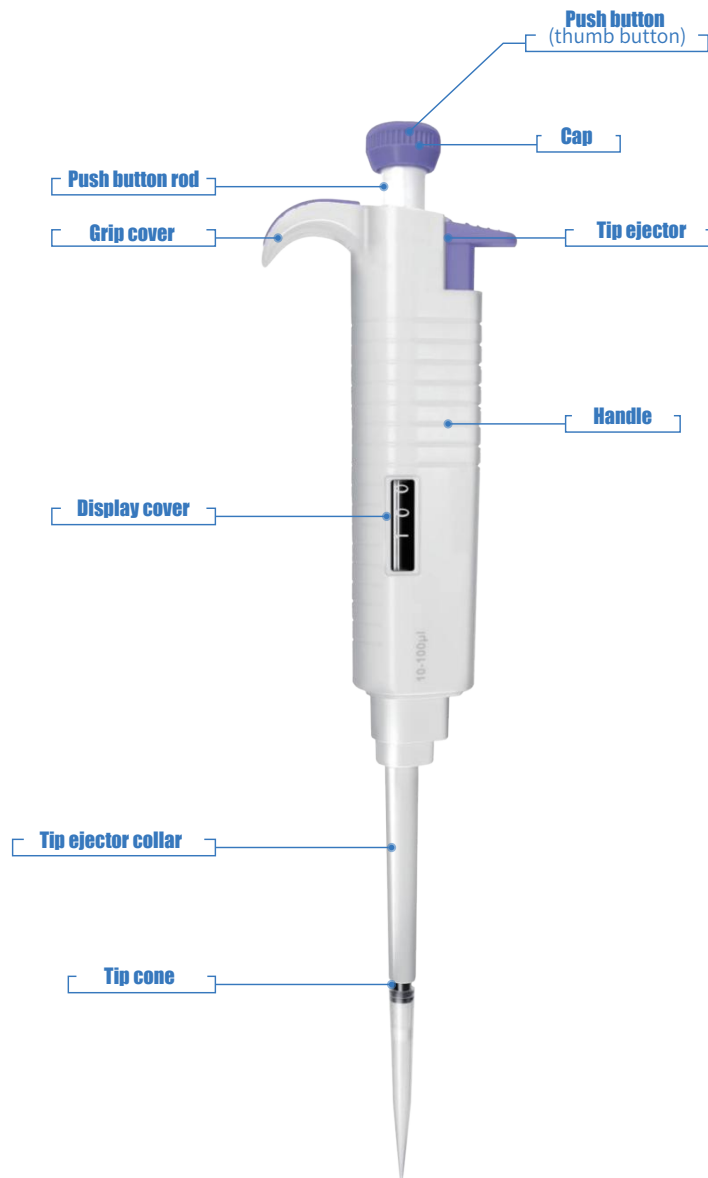
User calibration should refer to the industrial standard ISO8655-2.

MicroPette Plus

Fully Autoclavable Mechanical Pipette

The MicroPette Plus pipette is fully autoclavable, being able to withstand temperatures of 121°C and pressure of 1ATM, and does not need to be pre-treated prior. Following the autoclave cycle, a 12 hour cooling and drying period ensures that the high performance of the MicroPette Plus is retained. It is recommended the piston and rubber seals be greased after every 10 cycles of autoclaving.

121°C
FULLY
 Autoclavable



Features

- Available as Fixed Volume and Adjustable Volume formats
- Streamlined shape design
- Comprehensive volume range from 0.1µL to 10mL
- Easy calibration and maintenance
- 8 and 12 channel pipette options
- Dispensing head rotates for effortless pipetting convenience
- Individual piston and tip cone assembly
- Spring loaded tip cones for easy cleaning and maintenance
- Compound material-made tip cone secures high sealing performance



Mechanical Pipette Volume Selection

Specifications

This volume list is for MicroPette and MicroPette plus (Adjustable and Fixed volume)

Single-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	Error limits in accordance with ISO8655-2			
			Systematic Error		Random Error	
μL	μL	μL	μL	%	μL	%
0.1-2.5	0.05	2.5	± 0.0625	± 2.50	± 0.05	± 2.00
		1.25	± 0.0375	± 3.00	± 0.0375	± 3.00
		0.25	± 0.03	± 12.00	± 0.015	± 6.00
0.5-10	0.1	10	± 0.1	± 1.00	± 0.08	± 0.80
		5	± 0.075	± 1.50	± 0.075	± 1.50
		1	± 0.025	± 2.50	± 0.015	± 1.50
2-20	0.5	20	± 0.18	± 0.90	± 0.08	± 0.40
		10	± 0.12	± 1.20	± 0.1	± 1.00
		2	± 0.06	± 3.00	± 0.04	± 2.00
5-50	0.5	50	± 0.3	± 0.60	± 0.15	± 0.30
		25	± 0.225	± 0.90	± 0.15	± 0.60
		5	± 0.1	± 2.00	± 0.1	± 2.00
10-100	1	100	± 0.8	± 0.80	± 0.15	± 0.15
		50	± 0.5	± 1.00	± 0.2	± 0.40
		10	± 0.3	± 3.00	± 0.15	± 1.50
20-200	1	200	± 1.2	± 0.60	± 0.3	± 0.15
		100	± 0.8	± 0.80	± 0.3	± 0.30
		20	± 0.6	± 3.00	± 0.2	± 1.00
50-200	1	200	± 1.2	± 0.60	± 0.3	± 0.15
		100	± 0.8	± 0.80	± 0.3	± 0.30
		50	± 0.5	± 1.00	± 0.2	± 0.40
100-1000	5	1000	± 6	± 0.60	± 2	± 0.20
		500	± 3.5	± 0.70	± 1.25	± 0.25
		100	± 2	± 2.00	± 0.7	± 0.70
200-1000	5	1000	± 6	± 0.60	± 2	± 0.20
		500	± 3.5	± 0.70	± 1.25	± 0.25
		200	± 1.8	± 0.90	± 0.6	± 0.30
500-5000	50	5000	± 25	± 0.50	± 7.5	± 0.15
		2500	± 15	± 0.60	± 7.5	± 0.30
		500	± 3.5	± 0.70	± 1.5	± 0.30
1000-5000	50	5000	± 25	± 0.50	± 7.5	± 0.15
		2500	± 15	± 0.60	± 7.5	± 0.30
		1000	± 7	± 0.70	± 3	± 0.30
1000-10000	100	10000	± 60	± 0.60	± 20	± 0.20
		5000	± 60	± 1.20	± 15	± 0.30
		1000	± 30	± 3.00	± 6	± 0.60
2000-10000 Do not apply to MicroPette plus	100	10000	± 60	± 0.60	± 20	± 0.20
		5000	± 60	± 1.20	± 15	± 0.30
		2000	± 60	± 3.00	± 12	± 0.60
*2000-20000 Coming soon	100	2000	± 120	± 6.00	± 60	± 3.00
		10000	± 120	± 1.20	± 60	± 0.60
		20000	± 120	± 0.60	± 60	± 0.30

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

Fixed Volume Pipettes

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
μL	–	μL	μL	%	μL	%
5	–	5	± 0.065	± 1.3	± 0.06	± 1.2
10	–	10	± 0.08	± 0.8	± 0.08	± 0.8
20	–	20	± 0.12	± 0.6	± 0.1	± 0.5
25	–	25	± 0.125	± 0.5	± 0.075	± 0.3
50	–	50	± 0.25	± 0.5	± 0.15	± 0.3
100	–	100	± 0.5	± 0.5	± 0.3	± 0.3
200	–	200	± 0.8	± 0.4	± 0.4	± 0.2
250	–	250	± 1.0	± 0.4	± 0.5	± 0.2
500	–	500	± 1.5	± 0.3	± 1.0	± 0.2
1000	–	1000	± 3.0	± 0.3	± 2.0	± 0.2
2000	–	2000	± 6.0	± 0.3	± 3.0	± 0.15
5000	–	5000	± 15	± 0.3	± 7.5	± 0.15

8-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
μL	μL	μL	μL	%	μL	%
0.5-10	0.1	10	± 0.15	± 1.50	± 0.15	± 1.50
		5	± 0.125	± 2.50	± 0.125	± 2.50
		1	± 0.04	± 4.00	± 0.04	± 4.00
5-50	0.5	50	± 0.5	± 1.00	± 0.25	± 0.50
		25	± 0.375	± 1.50	± 0.25	± 1.00
		5	± 0.15	± 3.00	± 0.1	± 2.00
10-100	1	100	± 0.8	± 0.80	± 0.3	± 0.30
		50	± 0.5	± 1.00	± 0.4	± 0.80
		10	± 0.3	± 3.00	± 0.2	± 2.00
50-200*	5	200	± 1.4	± 0.7	± 0.5	± 0.25
		100	± 1.0	± 1.0	± 0.5	± 0.5
		50	± 0.75	± 1.5	± 0.4	± 0.8
50-300	5	300	± 2.1	± 0.70	± 0.75	± 0.25
		150	± 1.5	± 1.00	± 0.75	± 0.50
		50	± 0.75	± 1.50	± 0.4	± 0.80
100-1000**	10	1000	± 10	± 1.00	± 3	± 0.30
		500	± 10	± 2.00	± 2.5	± 0.50
		100	± 5	± 5.00	± 1	± 1.00

12-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
μL	μL	μL	μL	%	μL	%
0.5-10	0.1	10	± 0.15	± 1.50	± 0.15	± 1.50
		5	± 0.125	± 2.50	± 0.125	± 2.50
		1	± 0.04	± 4.00	± 0.04	± 4.00
5-50	0.5	50	± 0.5	± 1.00	± 0.25	± 0.50
		25	± 0.375	± 1.50	± 0.25	± 1.00
		5	± 0.15	± 3.00	± 0.1	± 2.00
10-100	1	100	± 0.8	± 0.80	± 0.3	± 0.30
		50	± 0.5	± 1.00	± 0.4	± 0.80
		10	± 0.3	± 3.00	± 0.2	± 2.00
50-300	5	300	± 2.1	± 0.70	± 0.75	± 0.25
		150	± 1.5	± 1.00	± 0.75	± 0.50
		50	± 0.75	± 1.50	± 0.4	± 0.80

* coming soon

** This specification is limited to MicroPette Plus

Note: Specifications are used as guidelines, and user calibration should refer to the industrial standard ISO 8655.

dPette+

Multi-functional 8-channel Electronic Pipette

DLAB multi-functional high performance 8-channel electronic pipette offers productive pipetting with its easy to understand operations. Its uniquely lightweight streamlined design ensures an effortless transfer of multiple samples with an increased throughput and data reproducibility.



- **Easy Operation**

Intuitive interface for setting functions and parameters.

- **Ergonomic Design**

Low operation forces for complete work, which is exceptionally fatigue-free.

- **Convenient and Versatile**

360° pipetting. Double knobs for simple and versatile control. Easy loading tip cones offers smooth and leak free operation.

- **Dual charging modes**

Use of USB charger or the charging stand to ensure uninterrupted use.

Three easy steps to operate dPette+

1

Long press the Parameter Knob for 2 seconds to Start

2

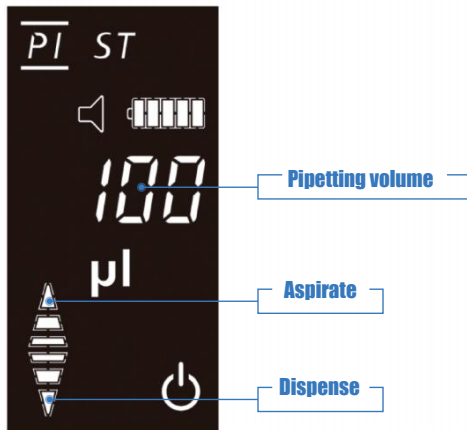
Rotate the knob back and forth quickly to Switch Pipetting, Continuous Dispensing, and other Function Settings

3

Quickly turn the Parameter Knob to unlock it, turn it to adjust the parameter such as volume, press it to pipette, long press it to mix

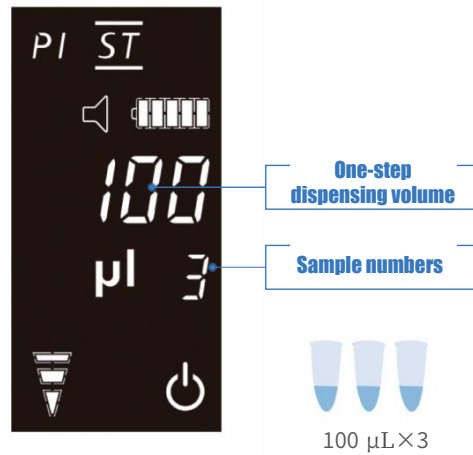
Pipetting function

Parameter Knob press → Pipetting,
Long press → Mixing



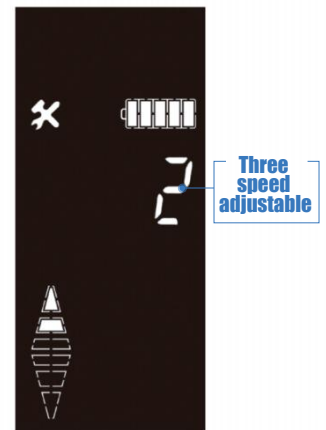
Stepper function

Maximum steps = Pipette nominal volume /
One step dispensing volume



Other function

Pipetting speed adjustment
Key tone ON/OFF



Supports dual charging mode

USB Charging



Contact Charging

Support automatic Calibration

Connect it to the computer, with the free software
provided for calibration

Complimentary Pipette Holder

Specifications

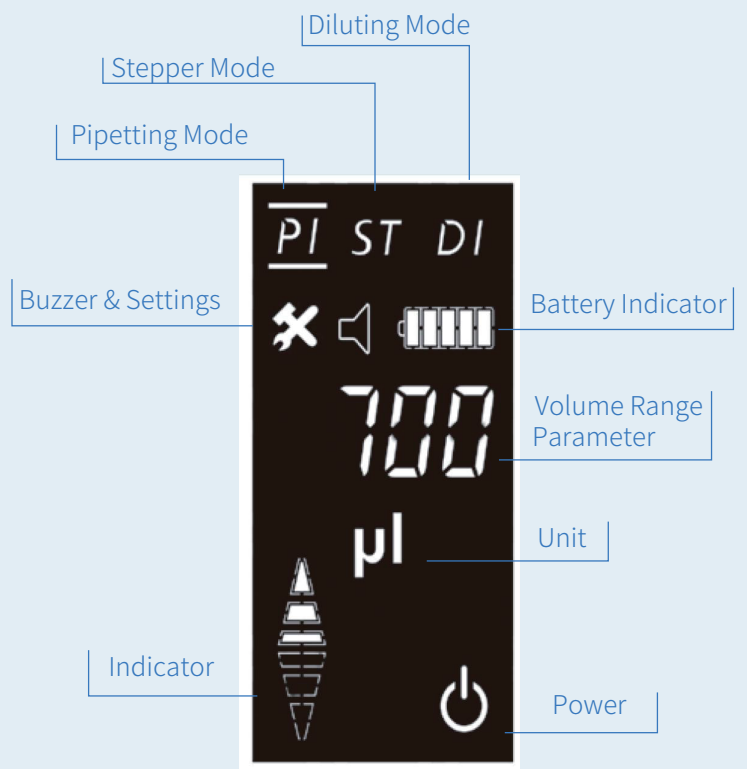
Channels	Volume Range	Increment	Test Volume	Systematic Error		Random Error	
	µL	µL	µL	µL	%	µL	%
8	0.5-10	0.01	10	±0.20	±2.00	±0.10	±1.00
			5	±0.20	±4.00	±0.10	±2.00
			1	±0.08	±8.00	±0.05	±5.00
8	10-100	0.1	100	±0.80	±0.80	±0.30	±0.30
			50	±0.50	±1.00	±0.40	±0.80
			10	±0.30	±3.00	±0.20	±2.00
8	15-300	1	300	±1.80	±0.60	±0.90	±0.30
			150	±1.50	±1.00	±0.75	±0.50
			15	±0.60	±4.00	±0.15	±1.00
8	30-300	1	300	±1.80	±0.60	±0.90	±0.30
			150	±1.50	±1.00	±0.75	±0.50
			30	±0.90	±3.00	±0.30	±1.00

* Specifications are used as guidelines and the user calibration should refer to the industrial standard ISO 8655.

dPette is an innovative Electronic Pipette developed by. It combines manual pipette features, as ergonomics and lightweight, with electronic pipette features, such as labor-saving and high accuracy, offering new pipetting experience to users.



ELECTRONIC PIPETTE





dPette+
For Pipetting,
Mixing, Stepper
and Dilution

dPette
For Pipetting
and Mixing

dPette+

Multi functional Electronic Pipette

dPette

Simple Electronic Pipette

Features

- Motor driven digitally control pipette with multifunctions
- Easy Operations and Handling
- Intuitive menu interface settings: functions and operations
- Minimal force for pipetting operation
- High performance ensuring accuracy & repeatability
- 2 buttons for all operational settings
- Adjustable speed for aspiration and dispensing
- Li-ion battery enable longer operation time
- Convenient and Versatile
- Self-calibration applicable

Specifications

Channels	Volume Range	Increment	Test Volume	Systematic Error		Random Error	
	µL	µL	µL	µL	%	µL	%
1	0.5-10	0.01	10	±0.10	±1.00	±0.05	±0.50
			5	±0.10	±2.00	±0.10	±2.00
			1	±0.05	±5.00	±0.03	±3.00
1	5-50	0.1	50	±0.40	±0.80	±0.15	±0.30
			25	±0.25	±1.00	±0.25	±1.00
			5	±0.20	±4.00	±0.125	±2.50
1	30-300	1	300	±1.80	±0.60	±0.60	±0.20
			100	±1.00	±1.00	±0.40	±0.40
			30	±1.20	±4.00	±0.21	±0.70
1	100-1000	5	1000	±6.00	±0.60	±2.00	±0.20
			500	±5.00	±1.00	±1.00	±0.20
			100	±3.00	±3.00	±0.60	±0.60

* Specifications are used as guidelines and the user calibration should refer to the industrial standard ISO 8655

Levo Plus

Pipette Filler

Ergonomic fast pipetting solution with accurate speed control



Features

- Intuitive and convenient speed with 6 levels
- Lightweight pipette filler compatible with glass or plastic serological pipettes (0.1 -100mL)
- Ergonomic design for fatigue-free and effective streamlined pipetting
- LCD screen displays battery status and pipetting speed
- Quiet and powerful motor and pump fills 25mL pipette in less than 5 seconds
- Long-lasting lithium-ion battery



Specifications

Aspiration Speed	25mL<5s (6 Level)
Dispensing Speed	Motor/Gravity
Battery	Replaceable lithium battery
Battery Service Life	More than 12 Hours of Intermittence Use
Charging Time	4-5 Hours
Pipette Types	Glass or Plastic Pipette (0.1-100mL), Pasteur Pipettes
Filter	0.45 μ m Hydrophobic
Weight	208g

Levo ME

Pipette Filler

Elegant design & reliable performance, with long-life battery

Features

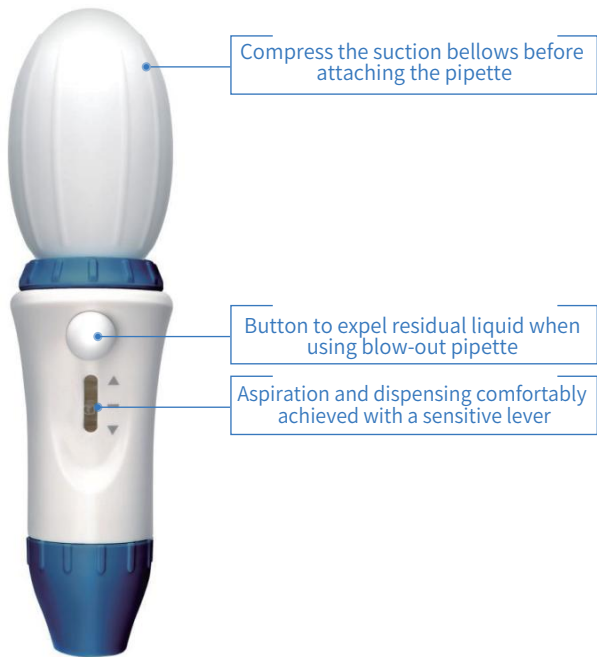
- Enables single-handed operation with minimum effort
- Speed adjustment simply with finger tips
- Individually set aspiration (upper button) and dispensing (lower button) speeds
- Compatible with glass or plastic serological pipettes(0.1-100mL)
- 0.45µm replaceable hydrophobic filter
- High capacity Li-ion battery enables long operation time

Specifications

Aspiration Speed	25mL<7s
Dispensing Speed	Motor/Gravity
Battery	Lithium-ion
Battery Service Life	More than 8 Hours of Intermittence Use
Charging Time	2-3 Hours
Pipette Types	Glass or Plastic Pipette (0.1-100mL), Pasteur Pipettes
Filter	0.45µm Hydrophobic
Weight	200g



Levo Pipette Controller



Features

- Reduce hands-on time .
- Can realize the midway refill .
- Drip by drip drainage, precise control .
- Add the last drop of liquid discharge button
- Compatible with glass or plastic serological pipettes (0.1 - 100mL).
- 3µm replaceable hydrophobic filter.
- Fast suction, can absorb 25mL liquid in 4 secs.
- Humanized functional design, 118g ultra-light texture.
- Simple and sensitive liquid level regulation.
- Five color designs: blue, green, red, yellow, North Carolina blue, easy to distinguish between different applications.



Levo pipetting is easy and effortless :



Manufacturing negative pressure:

Squeeze the ball to suck the liquid.



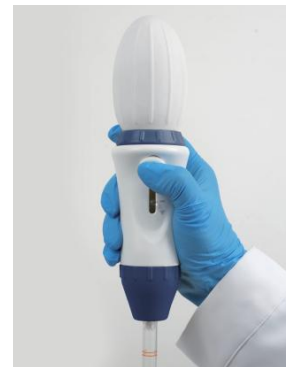
Inhale:

The filling rate can be adjusted continuously with the help of the operating rod.



Drainage:

Press the operating lever to drain the liquid. The unique valve system ensures that the accuracy of the instrument is not affected by the drainage speed.



Blowout function:

When it is necessary to blow out the liquid, when the concave surface reaches the nozzle, press the blow out ball.

Mini Pipette

Mini Pipette is specially customized for fast pipetting with fixed volume and it is the first choice for IVD assay kit accessory. Ultra-light body, precise pipetting, smooth aspiration and dispensing bring an easier pipetting experience to customers.

- Ergonomic design, compact body, with easy operation;
- Easy to press, consistent with standard manual pipettes in operating habits;
- Multiple optional volume from 10 to 300ul, marked with different colors;
- Compatible with the standard 200ul/300ul tips;
- Accurate pipetting and reliable quality;
- Support customization;



Standard style



New style

Color	Light Green	Grey	Dark Green	Yellow	Orange	Gray	Red	Blue	Grayish green	Other
Mini Pipette	10μL	20μL	25μL	30μL	50μL	60μL	75μL	100μL	200μL	OEM
Color	Dark Green	Orange	Red	Light Blue	Blue	Gray	Purple	Other	—	—
New Mini Pipette	25	50	75	80	100	200	300	OEM	—	—

Levo E Pipette Pump

Designed for single-handed operation, Pipette Pump identifies itself with a thumbwheel, allowing precise aspiration or dispensing. The feature of side lever enables complete liquid dispensing, without a droplet remaining.



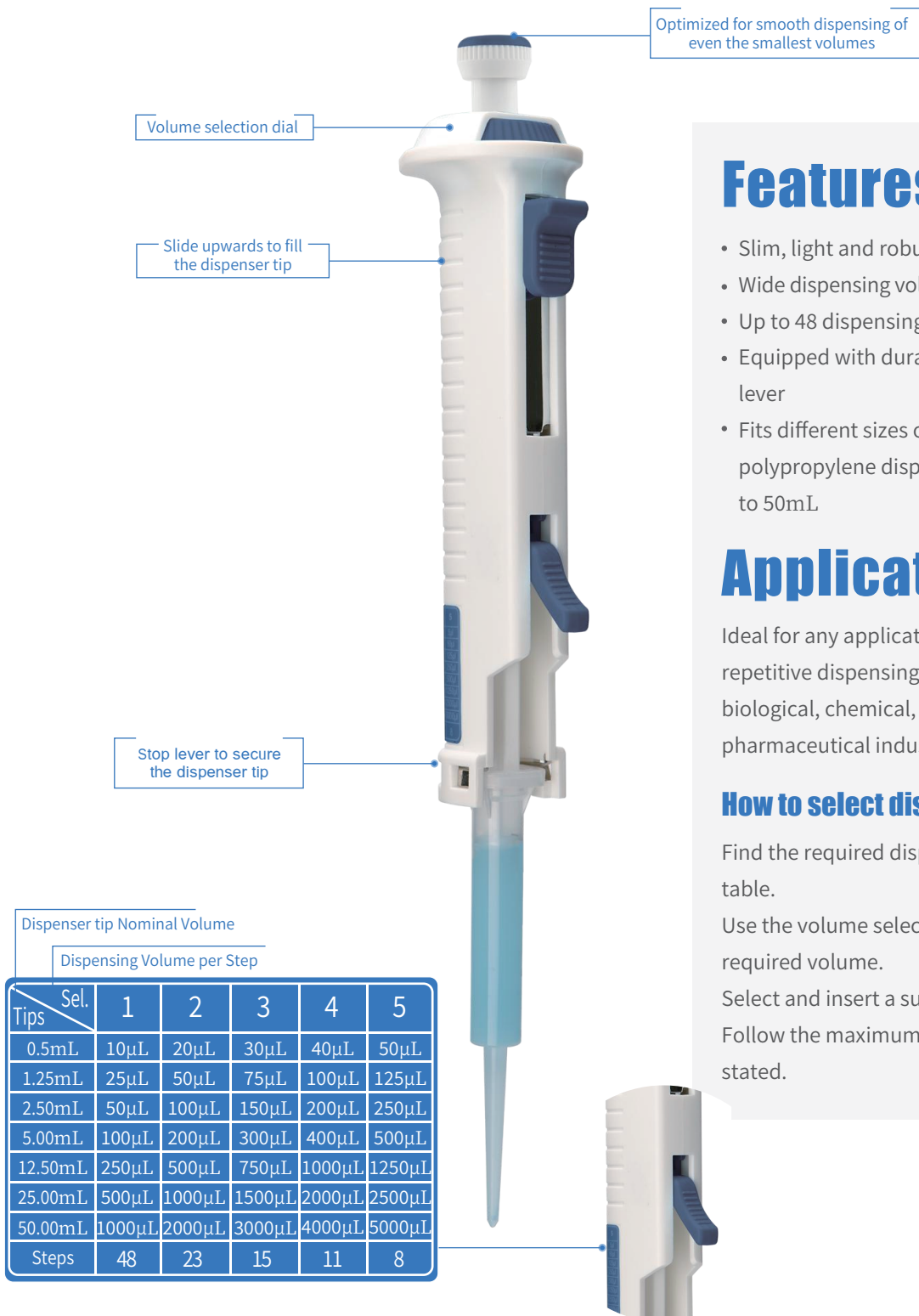
Features

- Volume capacity 2mL, 5mL, 10mL and 25mL
- Colour-coded by volume with Blue, yellow, green and red
- Thumb wheel guarantees precise operation
- Resistant to acids and alkalis
- Easy for cleaning and maintenance

StepMate

Stepper

Positive-displacement, continuously adjustable, repetitive dispenser



Features

- Slim, light and robust
- Wide dispensing volume from 10 μ L to 5mL
- Up to 48 dispensing steps in succession
- Equipped with durable dispenser tip stop lever
- Fits different sizes of disposable polypropylene dispenser tips from 0.5mL to 50mL

Applications

Ideal for any application requiring repetitive dispensing in the clinical, biological, chemical, food and beverage, pharmaceutical industry.

How to select dispensing volume

Find the required dispensing volume in the table.

Use the volume selection dial to set the required volume.

Select and insert a suitable dispenser tip. Follow the maximum dispensing steps as stated.

Dispenser tip Nominal Volume

Dispensing Volume per Step

Tips \ Sel.	1	2	3	4	5
0.5mL	10 μ L	20 μ L	30 μ L	40 μ L	50 μ L
1.25mL	25 μ L	50 μ L	75 μ L	100 μ L	125 μ L
2.50mL	50 μ L	100 μ L	150 μ L	200 μ L	250 μ L
5.00mL	100 μ L	200 μ L	300 μ L	400 μ L	500 μ L
12.50mL	250 μ L	500 μ L	750 μ L	1000 μ L	1250 μ L
25.00mL	500 μ L	1000 μ L	1500 μ L	2000 μ L	2500 μ L
50.00mL	1000 μ L	2000 μ L	3000 μ L	4000 μ L	5000 μ L
Steps	48	23	15	11	8

Precision Dispenser Tip

Dispenser tips are convenient for viscous or foaming solutions, volatile liquids and applications where repetitive dispensing of volumes in long series is required

The dispenser tips are made from high quality materials without soft lubricants or other additives.

Specifications

Note: The first and last dispensing liquid should be discarded for precision.



Dial setting		1	2	3	4	5			
Number of steps		48	23	15	11	8			
Cat. No.	dispenser tip volume	Dispensing volume per step					Systematic Error	Random Error	Description
	mL	μL					%	%	
17900032	0.50	10	20	30	40	50	± 0.8	≤ 0.7	0.5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900033	1.25	25	50	75	100	125	± 0.8	≤ 0.5	1.25mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900034	2.50	50	100	150	200	250	± 0.8	≤ 0.4	2.5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900035	5.00	100	200	300	400	500	± 0.4	≤ 0.3	5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900036	12.50	250	500	750	1000	1250	± 0.3	≤ 0.3	12.5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900037	25.00	500	1000	1500	2000	2500	± 0.2	≤ 0.3	25mL, piston PE-HD, cylinder PP, 1 packing, 2pcs/packing with 1 pc adapter
17900038	50.00	1000	2000	3000	4000	5000	± 0.2	≤ 0.2	50mL, piston PE-HD, cylinder PP, 1 packing, 2pcs/packing with 1 pc adapter

dTrite

Electronic Burette

Digital Burette - dTrite provides accurate, precise and convenient bottle-top titration with optimum operator safety.

It combines both magnetic stirrer and Burette functions, making it easier for the user to achieve reproducible results in the field of analytical chemistry, food industry, water analysis etc.

Features

- High quality motor with excellent precision and accuracy
- Electronic control provides fatigue-free operation
- Remote control panel prevents manual disturbance during operation
- Built-in magnetic stirrer for a complete and easy operation
- Large LCD display parameters



Specifications

Volume Range	0.01mL-99.99mL, Max piston lift is 10mL, resolution is 10 μ L
Volume Accuracy	R=0.2% CV=0.07%
Speed	16 Levels
Operating Temperature Range	10°C-30°C
Quality Control	DIN EN ISO 8655
Control Type	External control, including the stirrer and the burette program

* Notice: R: Relative error; CV: coefficient of variation.

dFlow

Electronic Bottle-Top Dispenser

Error-free, easy to use, motorized solution

Features

- Motor controlled digital, fatigue free operation
- High quality stepper motor provides smooth and accurate dispensing
- Adjustable aspiration and dispensing speed
- Reagent recovery feature minimizes waste
- TFT display module for simple volume selection and control
- Two operation modes: continuous dispenser or stepper

Applications

Ideal for safe, accurate and precise dispensing of bases, saline solutions, acids and some organic solvents.



Specifications

Volume Range	0.1-99.9mL, Max piston lift is 10mL, resolution is 100 μ L
Volume Accuracy	Dispenser: R = 0.3%; CV = 0.1% Stepper: R = 0.6%; CV = 0.9%
Speed	16 Levels
Operating Temperature Range	10°C-30°C
Quality Control	DIN EN ISO 8655
Control Type	External control

* Notice: R: Relative error; CV: coefficient of variation.



DispensMate-Pro

Premium Bottle-Top Dispenser

Designed for safe, sturdy & stable dispensing directly from the bottle in the range of volumes up to 100 mL

- 1 Fast, precise, and reproducible volume locking mechanism on a clear scale
- 2 Reagent recovery function reduces reagent waste and prevents dripping when not in use
- 3 6 adapters to comfortably fit most laboratory reagent bottles
- 4 Adjustable aspirating tube for different bottle heights

Features

- High chemical compatibility with use of inert materials and glass/PTFE piston
- Easy to disassemble and clean for periodic maintenance
- Fully autoclavable at 121°C to ensure sterility
- Available in 5 dispensing volume ranges from 0.5mL to 100mL
- Supplied with most popular adapters (S40, GL32, GL38, GL25, GL28)

Specifications

Cat. No.	Volume Range	Graduation	Systematic Error		Random Error	
	mL	mL	μL	%	μL	%
7032212001	0.5-5	0.1	±25	±0.5	±10	±0.2
7032212002	1.0-10	0.2	±50	±0.5	±20	±0.2
7032212003	2.5-25	0.5	±125	±0.5	±50	±0.2
7032111004	5.0-50	1.0	±250	±0.5	±100	±0.2
7032111005	10-100	2.0	±500	±0.5	±200	±0.2

Cat. No.	17000817	17400132	17400133	17400134	17400135	17400037	17900158	17000802	17100735	17900236	17900237
Accessories	GL32, Adapter, 45/32mm	GL38, Adapter, 45/38mm	GL25, Adapter, 32/25mm	GL28, Adapter, 32/28mm	S40, Adapter, 45/40mm	Reagent Bottle (Brown, 1L)	Filling tube combination	Discharge tube(m) (adapter 25mL, 50mL, 100mL)	Discharge tube(m) (adapter 5mL, 10mL)	Discharge tube combination (adapter 25mL, 50mL, 100mL)	Discharge tube combination (adapter 5mL, 10mL)



DispensMate

Bottle-Top Dispenser

For safer and more efficient way to handle chemicals

Features

- Excellent chemical resistance, Inert and high strength components made of PTFE, FEP, BSG, PP
- Fully autoclavable at 121°C (only liquid accessible parts)
- Available in 4 dispensing volume ranges from 0.5mL to 50mL
- Easy to disassemble and clean for periodic maintenance
- Supplied with most popular adapters (S40, GL32, GL38, GL25, GL28)

Applications

Bottle-top dispensers offer high precision and accuracy with ISO 8655 conformed calibration for use in areas such as pharmacology, biotechnology, healthcare, food and beverage, chemistry, environmental monitoring and academy&research.

- 1 Easy-to-use volume adjustment
- 2 Smooth piston design provides effortless dispensing experience
- 3 Easy-to-use closure cap protects user from exposure to reagent
- 4 Adapters to comfortably fit most laboratory reagent bottles

Specifications

Cat. No.	Volume Range	Graduation	Systematic Error		Random Error	
	mL	mL	μL	%	μL	%
7032100101	0.5-5	0.1	± 25	± 0.5	± 10	± 0.2
7032100102	1.0-10	0.2	± 50	± 0.5	± 20	± 0.2
7032100103	2.5-25	0.5	± 125	± 0.5	± 50	± 0.2
7032100104	5.0-50	1.0	± 250	± 0.5	± 100	± 0.2



Cat. No.	17400131	17400132	17400133	17400134	17400135	17400037	17400021	17100073	17100553	17100696	17100767
Accessories	GL32, Adapter, 45/32mm	GL38, Adapter, 45/38mm	GL25, Adapter, 32/25mm	GL28, Adapter, 32/28mm	S40, Adapter, 45/40mm	Reagent Bottle (Brown, 1L)	Filling tube (m)	Discharge tube(m)	GL45, adapter, 45mm	Discharge tube combination (adapter 25mL, 50mL)	Discharge tube combination (adapter 5mL, 10mL)

SafeVac

Vacuum-Controlled Aspiration System

Safe and efficient system for labs handling critical or biological liquid waste.

Features

- Compact, user-friendly design
- Level detection system prevents bottle overflow
- Control knob for vacuum setting
- The parts in contact with liquids are autoclavable
- Easy to disassemble and clean
- Ideal tool to avoid lab air contamination and protect personnel safety
- Adjustable vacuum level with indicator light is designed for various applications

Applications

For laboratory waste recovery and separation of liquid and solid. It can be widely used in cell culture, DNA extraction, microplate waste removal, and any other liquid separation or recovery. Best replacement for the common vacuum pump, for all kinds of waste liquid recovery, especially biological, chemical and radioactive liquids.

Self-closing connectors to avoid escape of drops or aerosols from disconnected bottle

Stand for transferring the bottle securely and holding the hand operator

vacuum level indicator light

Sensitive level sensor to prevent liquid overflow



Specifications

Wide range of adapters to fit well with different tubes, microplate and disk plate, all of which can be fully autoclaved (At 121°C 1 bar for 20 minutes. After autoclaving the equipment must be cooled down before use).

Vacuum range	0-600mbar
Max. Flow	15L/min (air)
Max. aspiration speed	17mL/s (Liquid)
Bottle	4L
Autoclave component	Tube;waste bottle;operation handle;
Noise Level	≤55dB
Input voltage	100-240VAC, 50/60Hz
Dimension[WxDxH]	180x240x450mm
Weight	3kg

A	8-channel tip detrusion adapter 200μL tip
B	8 channel needle Ø1.5mm
C	Single needle Ø2.5mm, 40mm
D	Single needle Ø2.5mm, 120mm
E	Single needle Ø1.5mm, 40mm
F	Single needle Ø1.5mm, 120mm
G	tip detrusion adapter 200μL tip
H	tip detrusion adapter 1mL tip
I	SafeVac Handle bracket
J	Handle Hoop (Vacuum Aspirator)



EcoVac

Economical Vacuum Aspirator

Small, compact and easy to use system for the convenient handling of liquid waste disposal.

Easy to switch between manual aspiration and two-level adjustable continuous aspiration:
 Level 1: Standard continuous aspiration mode.
 Level 2: Fast continuous aspiration mode enhanced

Features

- Small and compact to fit in the cabinet, on the benchtop or even beneath the bench
- Easy to switch between manual aspiration and continuous aspiration mode, reducing RSI (Repetitive Strain Injury) and improving efficiency
- Collection bottle outlet with hydrophobic filter prevents aerosol and liquid contamination
- Brushless motor offers low noise and long life
- Different adapters are available to fit a multitude of laboratory supplies
- The parts in contact with liquids can be autoclaved
- Adjustable vacuum level with indicator light is designed for various applications



Hanging handles on both sides

Vacuum level indicator light

Specifications

Vacuum range	0-500mbar
Max. Flow	15L/min(air)
Max. aspiration speed	17mL/s(Liquid)
Bottle	2L standard, 1L optional with adaptor
Motor type	Brushless Motor
Input voltage	100-220VAC, 50/60Hz
Dimension [W×D×H]	180×240×340 mm
Weight	2.8kg

Wide range of applications

EcoVac is suitable for any application where the single liquid suction volume is less than 2L. The applicability includes use of various common consumables, which can be widely used in the collection and removal of liquids in experiments of microorganisms, molecules, proteins, cells, etc., and other applications such as RNA/DNA extraction, Western blots and ELISA.

- Aspiration of supernatants after centrifugation
- Aspiration of eluent
- Removal of supernatants during nucleic acid extraction
- Removal of culture media
- Removal of wash solutions from immuno-assay well-plate
- Removal of buffers of Western blot strips
- Removal of excess liquid from slides and Petri dishes



A	8-channel tip detrusion adapter 200 μ L tip
B	8 channel needle \varnothing 1.5mm
C	Single needle \varnothing 2.5mm, 40mm
D	Single needle \varnothing 2.5mm, 120mm
E	Single needle \varnothing 1.5mm, 40mm
F	Single needle \varnothing 1.5mm, 120mm
G	tip detrusion adapter 200 μ L tip
H	tip detrusion adapter 1mL tip
I	1L bottle fitting
J	1L collection bottle
K	Handle Hoop (Vacuum Aspirator)



Smart VAC

Bench top compact vacuum aspirator

The 1L bench-top compact vacuum aspirator with replaceable battery is designed for flexible handling of small amounts of liquids, with one key control, easy operation and wide application.

Features

- **Compact and portable, small foot print**
Suitable for any bench top space including laminar flow cabinet. the collection bottle is independent of the vacuum source and power supply, and can be placed at any position.
- **One-key start to work with built-in rechargeable battery independent of exterior power supply**
Continuous work for 5 hrs after fully charged.
- **Fast, safe and reliable**
Aspiration speed up to 1.6 L/min; hydrophobic filters against contamination.
- **Dual function of aspiration and filtration**
1L collection bottle in standard package, with 500mL collection bottle (autoclavable) and filtration flask optional.



- Removal of supernatant from pellets;
- Removal of culture media;
- Quick removal of spillage from the bench top;
- Vacuum Filtration

Specifications

Vacuum Range	0-600mbar
Aspiration speed	1.6 L/min(air)
Bottle	1L collection bottle in Standard package, 500mL bottle with an adaptor, or filtration flask optional
Adapter	1mL tip detrusion adapter, 8-channel tip detrusion adapter
Motor type	Brushless DC motor/ Brush motor
Power	DC 12V , 1.0A
Battery	Rechargeable lithium battery 2000mA/h
Noise Level	53dB
Dimension [WxDxH]	127 x 144 x 244mm
Weigh	0.5kg





Phone: +86 188 2709 1392

Email:chemicals_trading@126.com

Address: Rm 305, Building Tengjundebiyiyuan,
No.1658 Gumei Road,Xuhui District,Shanghai