DLAB's dPette Electronic Pipette enables fast, precise and comfortable pipetting. It has an ergonomic design and is easy to use in the laboratories. The iPetes are available in single-channel models in the ⬚rst stage.

NEW

Why we need an Electronic Pipette?

- Reduces the workload and improves the accuracy and precision.
- Small handy pipettor and a space-saving carousel stand.
- Easy display and clear number to read.

Features

- Comprehensive range of liquid handling protocols with easy programming
- Motor-drive with build-in error control improves pipetting precision and provides more reliable results
- Ef⬚cient lithium-ion battery offers long runtime on each charge
- 3 speeds for aspiration and dispensing
- Two methods of charging: through the stand or direct charging
- Autoclavable low part

Stands
dPette electronic pipettes can be charged with a 1-place charging stand, a 5-place charging stand or directly through the charging cable.

Specifications

Channels	Volume Range uL	Increment uL	Test Volume	Inaccuracy		Imprecision	
			uL	uL	%	s.d.*uL	CV%*
1	0.5-10uL	0.01uL	10 1	±0.10 ±0.035	±1.0 ±3.5	0.05 0.03	0.5 3.0
1	5-50uL	0.1uL	50 5	±0.40 ±0.15	±0.8 ±3.0	0.15 0.125	0.3 2.5
1	30-300uL	1uL	300 30	±1.8 ±0.9	±0.6 ±3.0	0.6 0.21	0.2 0.7
1	100-1000uL	5uL	1000 100	±6.0 ±3.0	±0.6 ±3.0	2.0 0.6	0.2 0.6

* s.d. = Standard Deviation
*CV = Coefficient of Variation

MicroPette Plus Autoclavable Pipettes

MicroPette plus Features

- Fully autoclavable
- Light pipetting forces and ergonomic design
- Clear and easy-to-read display with large numbers and small increments
- The pipettes cover volume range of 0.1µL to 10mL
- Easy to calibrate and maintain with tool supplied
- Manufactured from innovative materials
- Calibrated in accordance with ISO8655. Each pipette supplied with individual test certificate

Simply turn the plunger button for volume selection

Comforatble Finger support

Tip ejector allows convenient one-handed operation

Ejector collar and tip cone can be removed

Durable tip cone materials provide excellent chemical resistance

MicroPette multi-channel plus Features

- 8 and 12 channel pipettes are available for standard 96-well plates
- Dispensing head rotates for optimum pipetting convenience
- Individual piston and tip cone assemblies allow easy repair and maintenance
- Compound material tip cone design allows visual seal verification
- Can be used with universal style pipette tips

12 channels

8 channels

Fully autoclavable

The MicroPette Plus pipettes can be fully autoclaved and withstood steam sterilization at 121°C, 1 atm for 20 minutes. The pipettes can be autoclaved without special preparation. After autoclaving the pipette must be cooled down and left to dry for 12 hours.

It is recommended to check the performance of the pipette after each autoclaving. It is also recommended to grease the piston and seal of the pipette after every 10 autoclave cycles.

MicroPette Mechanical Pipettes

MicroPette Features

- Light pipetting forces and ergonomic design
- Clear and easy-to-read display with large numbers and precise increments
- Pipettes cover volume range of 0.1µL to 10mL
- Easy to calibrate and maintain with tool supplied
- Manufactured from innovative materials
- Calibrated in accordance with ISO8655. Each pipette supplied with individual test certificate
- The lower section can be autoclaved

Simply turn the plunger button for volume selection

Comfortable Finger support

Tip ejector allows convenient one-handed operation

Ejector collar and tip cone can be removed

Durable tip cone materials provide excellent chemical resistance

MicroPette multi-channel Features

• 8 and 12 channel pipettes are available for standard 96-well plate
• Dispensing head rotates for optimum pipetting convenience
• Individual piston and tip cone assemblies allow easy repair and maintenance
• Compound material tip cone design allows visual seal verification
• Can be used with universal style pipette tips

12 channels

8 channels

Calibration

All DLAB pipettes have been quality tested according to ISO8655-2:2002 and are supplied with individual calibration certificates. The quality control includes gravimetric testing of each pipette with distilled water at 22°C.

Please visit our website for online calibration at www.dragon-lab.com. Using the online calibration software, users can perform simple, accurate and timely calibrations at no cost, and avoid calibration errors due to non-professional operation.

We will support and help you to achieve consistent excellent results.

TopPette Features

- Light weight, ergonomic, low force design
- Digital display clearly reads volume setting
- The pipettes cover volume range of 0.1μL to 10mL
- Easy to calibrate and maintain with tool supplied
- Design helps avoid repetitive strain injuries
- Calibrated in accordance with ISO8655. Each pipette supplied with individual test certificate
- The lower section can be autoclaved

Simply turn the plunger button for volume selection

Comfortable finger support

Tip ejector allows convenient one-handed operation

Ejector collar and tip cone can be removed

Durable tip cone materials Provide excellent chemical resistance

TopPette multi-channel Features

- 8 and 12 channel pipettes are available for standard 96-well plates
- Dispensing head rotates for optimum pipetting convenience
- Individual piston and tip cone assemblies allow easy repair and maintenance
- Compound material tip cone design allows visual seal verification
- Can be used with universal style pipette tips

12 channels

8 channels

Pipette with switch

DLAB Pipettes can be stopped with an on/off switch and cable. This can be used with coagulation analyzers or any other instruments that require precise timing.

Pipette Stands

The linear and carousel stands have been perfectly designed to fit of DLAB Pipette range, TopPette, MicroPette and MicroPette Plus Autoclavable Pipettes. The stands are a convenient way to hold up 6 pipettes both of single and multi-channel

The linear stand can hold up to 6 single and multi-channel pipettes

The carousel stand rotates smoothly and comfortably hold up to 6 pipettes

Specifications

TopPette/ MicroPette / MicroPette Plus Mechanical
Pipettes (Adjustable and Fixed Volume)

Single-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
			%	µL	%	µL
0.1-2.5µL	0.05µL	2.5µL	2.50%	0.0625	2.00%	0.05
		1.25µL	3.00%	0.0375	3.00%	0.0375
		0.25µL	12.00%	0.03	6.00%	0.015
0.5-10µL	0.1µL	10µL	1.00%	0.1	0.80%	0.08
		5µL	1.50%	0.075	1.50%	0.075
		1µL	2.50%	0.025	1.50%	0.015
2-20µL	0.5µL	20µL	0.90%	0.18	0.40%	0.08
		10µL	1.20%	0.12	1.00%	0.1
		2µL	3.00%	0.06	2.00%	0.04
5-50µL	0.5µL	50µL	0.60%	0.3	0.30%	0.15
		25µL	0.90%	0.225	0.60%	0.15
		5µL	2.00%	0.1	2.00%	0.1
10-100µL	1µL	100µL	0.80%	0.8	0.15%	0.15
		50µL	1.00%	0.5	0.40%	0.2
		10µL	3.00%	0.3	1.50%	0.15
20-200µL	1µL	200µL	0.60%	1.2	0.15%	0.3
		100µL	0.80%	0.8	0.30%	0.3
		20µL	3.00%	0.6	1.00%	0.2
50-200µL	1µL	200µL	0.60%	1.2	0.15%	0.3
		100µL	0.80%	0.8	0.30%	0.3
		50µL	1.00%	0.5	0.40%	0.2
100-1000µL	5µL	1000µL	0.60%	6	0.20%	2
		500µL	0.70%	3.5	0.25%	1.25
		100µL	2.00%	2	0.70%	0.7
200-1000µL	5µL	1000µL	0.60%	6	0.20%	2
		500µL	0.70%	3.5	0.25%	1.25
		200µL	0.90%	1.8	0.30%	0.6
1000-5000µL	50µL	5000µL	0.50%	25	0.15%	7.5
		2500µL	0.60%	15	0.30%	7.5
		1000µL	0.70%	7	0.30%	3
2-10mL	0.1mL	10mL	0.60%	60	0.20%	20
		5mL	1.20%	60	0.30%	15
		2mL	3.00%	60	0.60%	12

Mechanical Pipettes

8-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
			%	µL	%	µL
0.5-10µL	0.1µL	10µL	1.50%	0.15	1.50%	0.15
		5µL	2.50%	0.125	2.50%	0.125
		1µL	4.00%	0.04	4.00%	0.04
5-50µL	0.5µL	50µL	1.00%	0.5	0.50%	0.25
		25µL	1.50%	0.375	1.00%	0.25
		5µL	3.00%	0.15	2.00%	0.1
50-300µL	5µL	300µL	0.70%	2.1	0.25%	0.75
		150µL	1.00%	1.5	0.50%	0.75
		50µL	1.50%	0.75	0.80%	0.4

12-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
			%	µL	%	µL
0.5-10µL	0.1µL	10µL	1.50%	0.15	1.50%	0.15
		5µL	2.50%	0.125	2.50%	0.125
		1µL	4.00%	0.04	4.00%	0.04
5-50µL	0.5µL	50µL	1.00%	0.5	0.50%	0.25
		25µL	1.50%	0.375	1.00%	0.25
		5µL	3.00%	0.15	2.00%	0.1
50-300µL	5µL	300µL	0.70%	2.1	0.25%	0.75
		150µL	1.00%	1.5	0.50%	0.75
		50µL	1.50%	0.75	0.80%	0.4

Fixed Volume Pipettes

Volume Range	Increment	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
			%	µL	%	µL
5µL	-	5µL	1.3%	0.065	1.2%	0.06
10µL	-	10µL	0.8%	0.08	0.8%	0.08
20µL	-	20µL	0.6%	0.12	0.5%	0.1
25µL	-	25µL	0.5%	0.125	0.3%	0.075
50µL	-	50µL	0.5%	0.25	0.3%	0.15
100µL	-	100µL	0.5%	0.5	0.3%	0.3
200µL	-	200µL	0.4%	0.8	0.2%	0.4
250µL	-	250µL	0.4%	1.0	0.2%	0.5
500µL	-	500µL	0.3%	1.5	0.2%	1.0
1000µL	-	1000µL	0.3%	3.0	0.2%	2.0
2000µL	-	2000µL	0.3%	6.0	0.15%	3.0
5000µL	-	5000µL	0.3%	15	0.15%	7.5