

# Mechanical Pipettes MicroPette

## MicroPette

### Features

- Ergonomic design provide excellent operating experience
- Large display window allow for easier volume identification
- Pipettes cover a volume range from 0.1µL to 10mL
- Easy calibration and maintenance
- Each MicroPette supplied with an individual calibration certificate according to ISO8655

121°C  
HALF  
Autoclave



## MicroPette multi-channel

121°C  
HALF  
Autoclave

### Features

- 8 and 12 channel pipette are appropriate for 96-well plates
- Dispensing head rotates for effortless pipetting convenience
- Individual piston and tip cone assemblies allowing easy repair and maintenance
- Compound material-made tip cone secures high sealing performance
- Compatible with most universal tip brands





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.

Our website [www.dlabsci.com](http://www.dlabsci.com) allows users easy access to DLAB online calibration software to achieve accurate and timely calibration, a free service dedicated to our customers.

Use our knowledge to your advantage.



# Mechanical Pipette Volume Selection

## Specifications

This list is appropriate for MicroPette and MicroPette plus (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

### 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