

MicroPette plus

121°C
FULLY
Autoclavable

Features

- Fully autoclavable
- Ergonomic design provides excellent operating experience
- Easy-to-read volume display
- The pipettes cover the volume range from 0.1µL to 5mL
- Easy calibration and maintenance
- Manufactured from innovative materials
- Each MicroPette Plus supplied with an Individual calibration certificate according to ISO8655
- Online calibration is available



MicroPette plus multi-channel

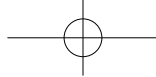
121°C
FULLY
Autoclavable

Features

- Dispensing head rotates for effortless pipetting convenience
- Individual piston and tip cone assembly allow for easy repair and maintenance
- Compound material-made tip cone secures high sealing performance
- Compatible with most universal tip brands
- Online calibration is available



Mechanical Pipettes



Mechanical Pipettes

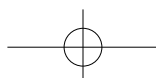


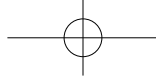
8 channels

Fully autoclavable

The MicroPette Plus pipettes are fully autoclavable, enable easy cleaning and reduce the risk of contamination. Steam autoclaving can be performed at 121°C, 1 bar for 20 minutes. After autoclaving, the pipette must be cooled down and left to dry for 12 hours before use.

It is recommended to check the performance of the pipette after each autoclaving. Greasing and sealing of the pipette piston after every 10th autoclaving will secure an enhanced function.





MicroPette

Features

- Pipettes cover a volume range from 0.1µL to 10mL
- Ergonomic design provides excellent operating experience
- Large display window allows for easy volume identification
- Easy calibration and maintenance
- Each MicroPette supplied with an individual calibration certificate according to ISO8655
- Online calibration is available

121°C
HALF
Autoclavable



MicroPette multi-channel

Features

- 8 and 12 channel pipettes 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
- Online calibration is available

121°C
HALF
Autoclavable



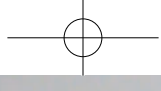
Mechanical Pipettes



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 allows users to access DLAB online calibration software and achieve accurate and timely calibration.

Online calibration software is FREE to DLAB pipette users



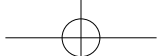
Specifications

This list is appropriate 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			
			(Accuracy error)		(Precision error)	
			%	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

DLAB specifications are used as guidelines and the user calibration should refer to the industrial standard ISO 8655



8-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Error limits in accordance with ISO8655-2			
			(Accuracy error)		(Precision error)	
			%	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	Error limits in accordance with ISO8655-2			
			(Accuracy error)		(Precision error)	
			%	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	Error limits in accordance with ISO8655-2			
			(Accuracy error)		(Precision error)	
			%	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

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