



青岛爱普国际贸易有限公司
ALL PRO CORPORATION

Add: No.592 Tonghe Road, Qingdao, 266035 China

Tel: 86-532-5568 9614 Fax: 86-532-5568 9611 E-mail: laboratory@allpro.com.cn www.allprocorporation.com



MicroPette plus



Fully autoclavable:

The MicroPette plus pipettes can be fully autoclaved and withstood steam sterilizes at 121°C, 1 atm for 20 minutes. The pipettes can be autoclaved without special preparations. After autoclaving the pipette must be cooled down and left to dry over 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 each 10 autoclaving.

Features for MicroPette plus:

- Fully autoclavable
- Lightweight, 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
- Manufactured from innovative material
- Calibrated in accordance with ISO8655. Each pipette supplied with individual test certificate

Features for multi-channel MicroPette plus:

- 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

Specifications:

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

50-200 μ L	1 μ L	200 μ L	0.60%	1.2	0.15%	0.3
		100 μ L	0.80%	0.8	0.30%	0.3
		50 μ L	1.00%	0.5	0.40%	0.2
100-1000 μ L	5 μ L	1000 μ L	0.60%	6	0.20%	2
		500 μ L	0.70%	3.5	0.25%	1.25
		100 μ L	2.00%	2	0.70%	0.7
200-1000 μ L	5 μ L	1000 μ L	0.60%	6	0.20%	2
		500 μ L	0.70%	3.5	0.25%	1.25
		200 μ L	0.90%	1.8	0.30%	0.6
1000-5000 μ L	50 μ L	5000 μ L	0.50%	25	0.15%	7.5
		2500 μ L	0.60%	15	0.30%	7.5
		1000 μ L	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)	
			%	μ L	%	μ L
0.5-10 μ L	0.1 μ L	10 μ L	1.50%	0.15	1.50%	0.15
		5 μ L	2.50%	0.125	2.50%	0.125
		1 μ L	4.00%	0.04	4.00%	0.04
5-50 μ L	0.5 μ L	50 μ L	1.00%	0.5	0.50%	0.25
		25 μ L	1.50%	0.375	1.00%	0.25
		5 μ L	3.00%	0.15	2.00%	0.1
50-300 μ L	5 μ L	300 μ L	0.70%	2.1	0.25%	0.75
		150 μ L	1.00%	1.5	0.50%	0.75
		50 μ L	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)	
			%	μ L	%	μ L
0.5-10 μ L	0.1 μ L	10 μ L	1.50%	0.15	1.50%	0.15
		5 μ L	2.50%	0.125	2.50%	0.125
		1 μ L	4.00%	0.04	4.00%	0.04
5-50 μ L	0.5 μ L	50 μ L	1.00%	0.5	0.50%	0.25

		25 μ L	1.50%	0.375	1.00%	0.25
		5 μ L	3.00%	0.15	2.00%	0.1
50-300 μ L	5 μ L	300 μ L	0.70%	2.1	0.25%	0.75
		150 μ L	1.00%	1.5	0.50%	0.75
		50 μ L	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)	
			%	μ L	%	μ L
5 μ L	-	5 μ L	1.3%	0.065	1.2%	0.06
10 μ L	-	10 μ L	0.8%	0.08	0.8%	0.08
20 μ L	-	20 μ L	0.6%	0.12	0.5%	0.1
25 μ L	-	25 μ L	0.5%	0.125	0.3%	0.075
50 μ L	-	50 μ L	0.5%	0.25	0.3%	0.15
100 μ L	-	100 μ L	0.5%	0.5	0.3%	0.3
200 μ L	-	200 μ L	0.4%	0.8	0.2%	0.4
250 μ L	--	250 μ L	0.4%	1.0	0.2%	0.5
500 μ L	-	500 μ L	0.3%	1.5	0.2%	1.0
1000 μ L	-	1000 μ L	0.3%	3.0	0.2%	2.0
2000 μ L	-	2000 μ L	0.3%	6.0	0.15%	3.0
5000 μ L	-	5000 μ L	0.3%	15	0.15%	7.5