

Mechanical Pipettes - Adjustable and Fixed



All pipettes have been quality tested according to the ISO8655-2:2002

With Calibration Certificate. The Quality Control involves gravimetric testing of each pipette with distilled water at 22°C

Features for MicroPette	Features for Multi-channel MicroPette
<ul style="list-style-type: none">• Lightweight, ergonomic, low force design• Digital display clearly reads volume setting• The pipettes cover volume range of 0.1ul 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• Fully Autoclavable• Manufactured from innovative materials• 2 Year carry in warranty• E-MPA-AV2.5, E-MPA-AV10, E-MPA-AV20, E-MPA-AV50 have metals shafts and a double o-ring	<ul style="list-style-type: none">• 8 & 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• Fully Autoclavable• 2 Year carry in warranty

Specifications

8 Channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	Max. Permissible Systematic Error (Inaccuracy)		Maximum Permissible Random Error (Imprecision)	
			%	μl	%	μl
0.5-10ul	0.1ul	10ul	1.50%	0.15	1.50%	0.15
		5ul	2.50%	0.125	2.50%	0.125
		1ul	4.00%	0.04	4.00%	0.04
5-50ul	0.5ul	50ul	1.00%	0.5	0.50%	0.25
		25ul	1.50%	0.375	1.00%	0.25
		5ul	3.00%	0.15	2.00%	0.1
50-300ul	5ul	300ul	0.70%	2.1	0.25%	0.75
		150ul	1.00%	1.5	0.50%	0.75
		50ul	1.50%	0.75	0.80%	0.4

12 Channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	Max. Permissible Systematic Error (Inaccuracy)		Maximum Permissible Random Error (Imprecision)	
			%	μl	%	μl
0.5-10ul	0.1ul	10ul	1.50%	0.15	1.50%	0.15
		5ul	2.50%	0.125	2.50%	0.125
		1ul	4.00%	0.04	4.00%	0.04
5-50ul	0.5ul	50ul	1.00%	0.5	0.50%	0.25
		25ul	1.50%	0.375	1.00%	0.25
		5ul	3.00%	0.15	2.00%	0.1
50-300ul	5ul	300ul	0.70%	2.1	0.25%	0.75
		150ul	1.00%	1.5	0.50%	0.75
		50ul	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

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%	0.065	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
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
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