



DATA SHEET



Model: OP-LINE

Micropipette



Description

Lightweight and ergonomic micropipettes, with a large, easy-to-read display. Fully sterilizable in a steam autoclave at 121°C. Calibrated according to ISO8655 with test certificate. Wide volume range from 0.1µm up to 10mL. OP-LINE micropipettes are completely sterilizable in a steam autoclave at 121°C, 1 atm for 20 minutes.

The advantage is that they do not need of a particular preparation for the sterilization.

- Fully autoclavable
- Lightweight and ergonomically designed
- Large and easy-to-read display
- The range includes 11 variable volume models that can cover a range ranging from 0.1µL up to 10mL
- Easy to calibrate
- Made with innovative material
- Calibrated according to ISO8655 with test certificate

FIXED VOLUME MICROPIPETTES							
Model	Range	Increment	Volume	Systematic error (uncertainty)		Random error (inaccuracy)	
				%	µL	%	µL
F5	5µL	-	5µL	1,3%	0,065	1,2%	0,06
F10	10µL	-	10µL	0,8%	0,08	0,8%	0,08
F20	20µL	-	20µL	0,6%	0,12	0,5%	0,1
F25	25µL	-	25µL	0,5%	0,125	0,3%	0,75
F50	50µL	-	50µL	0,5%	0,25	0,3%	0,15
F100	100µL	-	100µL	0,5%	0,5	0,3%	0,3
F200	200µL	-	200µL	0,4%	0,8	0,2%	0,4
F250	250µL	-	250µL	0,4%	1,0	0,2%	0,5
F500	500µL	-	500µL	0,3%	1,5	0,2%	1,0
F1000	1000µL	-	1000µL	0,3%	3,0	0,2%	2,0
F2000	2000µL	-	2000µL	0,3%	6,0	0,15%	3,0
F5000	5000µL	-	5000µL	0,3%	0,15	0,15%	7,5

VARIABLE VOLUME MICROPIPETTES								
Model	Canals	Range	Increment	Volume	Systematic error (uncertainty)		Random error (inaccuracy)	
					%	µL	%	µL
VM810	8	5µL-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
VM850	8	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
VM8300	8	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
VM1210	12	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
VM1250	12	10-100µL	1µL	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
VM12300	12	20-200µL	1µL	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

VARIABLE VOLUME MICROPIPETTES							
Model	Range	Increment	Volume	Systematic error (uncertainty)		Random error (inaccuracy)	
				%	µL	%	µL
V2	0.1-2.5µL	0.05µL	2.5µL	2.5%	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
V10	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
V20	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
V50	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
V100	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
V200	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
V205	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
V1000	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
V1200	200-1000µL	5µL	1000µL	0,60%	6	0,20%	2
			500µL	0,70%	3,5	0,25%	0,6
			200µL	0,90%	1,8	0,30%	0,7
V5000	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
V10000	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



E1-0001
Support for linear micropipette 6 place



E1-0002
Support for circular micropipette 6 place



E1-0005
Tips (1000pcs) neutral 0-10µL in bag



E1-0015
Tips (1000pcs) yellow 0-200µL in bag



E1-0035
Blue tips (1000pcs) 201-1000µL in bag



E1-0040
Tips (250pcs) neutral 1000-5000µL in bag



E1-0050
Tips (100pcs) neutral 2000-10000µL in bag



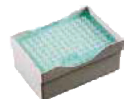
E1-0060
Rack tips (96pcs pack) neutral 0.5-10µL



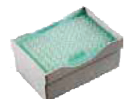
E1-0065
Rack tips (pack of 96pcs) yellow 0-200µL



E1-0070
Rack tips (pack of 96pcs) light blue 200-1000µL



E1-0075
Rack tips (96pcs pack) neutral 0.5-10µL with filter - sterile



E1-0080
Rack tips (96pcs pack) neutral 0-200µL with filter – sterile



E1-0085
Rack tips (96pcs pack) neutral 5-300µL with filter – sterile



E1-0090
Rack tips (pack of 96pcs) neutral 200-1000µL with filter - sterile