



## VWR® MECHANICAL PIPETTORS

Outstanding Precision  
and Accuracy

Exclusive Volume  
Lock Mechanism

Starter Kits  
Available



# VWR® MECHANICAL PIPETTORS

**NEW VWR Mechanical Pipettors are lightweight and specifically designed for user comfort. Low pipetting forces enable a unique pipetting experience and precise, reproducible results.**

- High performance with outstanding precision and accuracy
- Exclusive volume lock mechanism
- Lightweight
- Low pipetting forces
- Fully autoclavable without disassembly (120 °C/0.1MPa/20 min) and UV resistant
- Can be used with universal tips
- Unique serial number



Designed for both right and left handed users, VWR Mechanical Pipettors feature a large ejector button that fits the user's hand perfectly, allowing for fatigue-free pipetting.

Only a single button is required to eject and secure volume settings, and an exclusive instant volume locking system prevents accidental volume changes while in use.

One-handed operation is efficient and simple — pull up the ejection button, adjust the volume using the push button, then simply lock the pipettor by pushing the ejection button back down.

User-facing counter makes reading and adjusting digits easy — the volume is always visible while pipetting.

Easy to maintain, VWR pipettors offer high chemical compatibility and allow for intuitive, in-lab disassembly and maintenance.

Time saving, the multichannel pipettor mechanism has the same performance on each channel by handling multiple samples consistently. The 360° rotation feature allows multiple pipetting orientations.

## STARTER KITS

Pipettor Starter Kits include multiple pipettor volumes. They can be equipped with either plastic or stainless steel tip ejectors (5mL and 10mL single-channel pipettors do not feature tip ejector).

Each starter kit includes:

- Multiple pipettor volumes
- 7-place carousel stand
- VWR® Pipet Tips
- Certificate of conformity
- Calibration key
- Quick-start guide
- Tip ejector extension (for 2 and 10µL single-channel models)

Description	Volume, µL	Car. Tips, µL	Cat. No.
3-Pipettor Kit	10, 100, 1000	10, 200, 1000	76169-262
3-Pipettor Kit	20, 200, 1000	200, 1000	76169-264
4-Pipettor Kit	10, 20, 200, 1000	10, 200, 1000	76169-266
5-Pipettor Kit	2, 10, 20, 200, 1000	10, 200, 1000	76169-268



Maximum Permissible Errors							
		VWR Mechanical Pipettors			ISO 8655-2		
Size, $\mu\text{L}$	Volume Range, $\mu\text{L}$	Volume Systematic Error, $\mu\text{L}$	Random Error, $\mu\text{L}$	Random Error, $\mu\text{L}$	Systematic Error, $\mu\text{L}$	Random Error, $\mu\text{L}$	Cat. No.
<b>Single-Channel</b>							
2	0.2-2	0.2	$\pm 0.026$	$\leq 0.013$	$\pm 0.08$	$\leq 0.04$	76169-274
		1	$\pm 0.030$	$\leq 0.014$	$\pm 0.08$	$\leq 0.04$	
		2	$\pm 0.033$	$\leq 0.015$	$\pm 0.08$	$\leq 0.04$	
10	1-10	1	$\pm 0.035$	$\leq 0.013$	$\pm 0.12$	$\leq 0.08$	76169-232
		5	$\pm 0.083$	$\leq 0.033$	$\pm 0.12$	$\leq 0.08$	
		10	$\pm 0.110$	$\leq 0.044$	$\pm 0.12$	$\leq 0.08$	
20	2-20	2	$\pm 0.11$	$\leq 0.033$	$\pm 0.2$	$\leq 0.1$	76169-234
		10	$\pm 0.12$	$\leq 0.055$	$\pm 0.2$	$\leq 0.1$	
		20	$\pm 0.20$	$\leq 0.66$	$\pm 0.2$	$\leq 0.1$	
100	10-100	10	$\pm 0.39$	$\leq 0.11$	$\pm 0.8$	$\leq 0.3$	76169-236
		50	$\pm 0.44$	$\leq 0.13$	$\pm 0.8$	$\leq 0.3$	
		100	$\pm 0.8$	$\leq 0.17$	$\pm 0.8$	$\leq 0.3$	
200	20-200	20	$\pm 0.55$	$\leq 0.22$	$\pm 1.6$	$\leq 0.6$	76169-238
		100	$\pm 0.88$	$\leq 0.28$	$\pm 1.6$	$\leq 0.6$	
		200	$\pm 1.60$	$\leq 0.33$	$\pm 1.6$	$\leq 0.6$	
1000	100-1000	100	$\pm 3.3$	$\leq 0.7$	$\pm 8.0$	$\leq 3.0$	76169-240
		500	$\pm 4.4$	$\leq 1.1$	$\pm 8.0$	$\leq 3.0$	
		1000	$\pm 8.0$	$\leq 1.7$	$\pm 8.0$	$\leq 3.0$	
5000	500-5000	500	$\pm 13$	$\leq 3.3$	$\pm 40$	$\leq 15.0$	76169-242
		2500	$\pm 17$	$\leq 5.5$	$\pm 40$	$\leq 15.0$	
		5000	$\pm 33$	$\leq 8.8$	$\pm 40$	$\leq 15.0$	
10,000	1000-10,000	1000	$\pm 33$	$\leq 6.6$	$\pm 60$	$\leq 30.0$	76169-244
		5000	$\pm 44$	$\leq 11.0$	$\pm 60$	$\leq 30.0$	
		10,000	$\pm 60$	$\leq 17.6$	$\pm 60$	$\leq 30.0$	
<b>8-Channel</b>							
10	0.5-10	0.5	$\pm 0.09$	$\leq 0.04$	$\pm 0.24$	$\leq 0.16$	76169-246
		5	$\pm 0.22$	$\leq 0.11$	$\pm 0.24$	$\leq 0.16$	
		10	$\pm 0.22$	$\leq 0.11$	$\pm 0.24$	$\leq 0.16$	
20	2-20	2	$\pm 0.11$	$\leq 0.09$	$\pm 0.4$	$\leq 0.2$	76169-248
		10	$\pm 0.22$	$\leq 0.11$	$\pm 0.4$	$\leq 0.2$	
		20	$\pm 0.40$	$\leq 0.17$	$\pm 0.4$	$\leq 0.2$	
200	20-200	20	$\pm 0.55$	$\leq 0.28$	$\pm 3.2$	$\leq 1.2$	76169-250
		100	$\pm 1.10$	$\leq 0.44$	$\pm 3.2$	$\leq 1.2$	
		200	$\pm 2.20$	$\leq 0.55$	$\pm 3.2$	$\leq 1.2$	
300	20-300	20	$\pm 1.10$	$\leq 0.39$	$\pm 8.0$	$\leq 3.0$	76169-252
		150	$\pm 1.65$	$\leq 0.66$	$\pm 8.0$	$\leq 3.0$	
		300	$\pm 3.30$	$\leq 1.10$	$\pm 8.0$	$\leq 3.0$	
<b>12-Channel</b>							
10	0.5-10	0.5	$\pm 0.09$	$\leq 0.04$	$\pm 0.24$	$\leq 0.16$	76169-254
		5	$\pm 0.22$	$\leq 0.11$	$\pm 0.24$	$\leq 0.16$	
		10	$\pm 0.22$	$\leq 0.11$	$\pm 0.24$	$\leq 0.16$	
20	2-20	2	$\pm 0.11$	$\leq 0.09$	$\pm 0.4$	$\leq 0.2$	76169-256
		10	$\pm 0.22$	$\leq 0.11$	$\pm 0.4$	$\leq 0.2$	
		20	$\pm 0.40$	$\leq 0.17$	$\pm 0.4$	$\leq 0.2$	
200	20-200	20	$\pm 0.55$	$\leq 0.28$	$\pm 3.2$	$\leq 1.2$	76169-258
		100	$\pm 1.10$	$\leq 0.44$	$\pm 3.2$	$\leq 1.2$	
		200	$\pm 2.20$	$\leq 0.55$	$\pm 3.2$	$\leq 1.2$	
300	20-300	20	$\pm 1.10$	$\leq 0.39$	$\pm 8.0$	$\leq 3.0$	76169-260
		150	$\pm 1.65$	$\leq 0.66$	$\pm 8.0$	$\leq 3.0$	
		300	$\pm 3.30$	$\leq 1.10$	$\pm 8.0$	$\leq 3.0$	



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