

# BIO-1

## Pipette



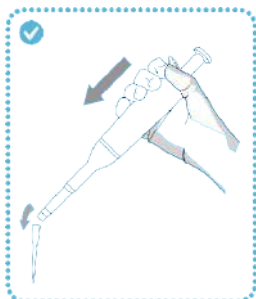
BIO-DL Corporation

### Force required for pipetting is less than 5N

Comfortable operation and ergonomic pipetting maintain accurate results even during prolonged use.

### Stable tip ejection (lever design for reduced effort)

The tip ejection mechanism gently ejects the tip, minimizing contamination of the surrounding work environment by residual liquid. The circular thumb movement during tip ejection is also optimized for ergonomics.



1-Year Warranty

### Simple user adjustment

User adjustment ensures accurate results when factory calibration is not applicable. The minimum scale of adjustment matches the pipette's minimum increment.

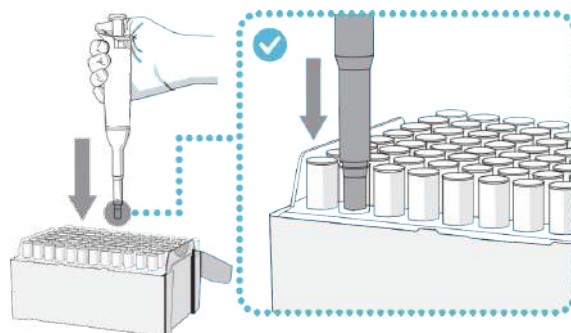
The wave keel handle fits the curve of the palm arch.

### Large and clear display

The large, clear display enables accurate and quick volume adjustment.

Rotatable ring design for exceptional tip compatibility

### Telescopic Tip Mounting Structure



Core component: The metal screw is precision-machined, with a part accuracy of 0.001mm

The BIO-1 pipette features a design of metal screw and nut made from PEI+PTFE composite material. With a machining accuracy of 0.001mm for key components, it is meticulously crafted to ensure accuracy, effort-saving operation, and long-term reliability for every one of your experiments!



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## Pipette

The BIO-1 pipette delivers exceptional solvent and acid-alkali resistance thanks to its unique structural design. Its lower part can be directly subjected to high-temperature and high-pressure sterilization, and each unit is strictly calibrated in accordance with the ISO 8655 standard, balancing durability and accuracy. In terms of detailed design, it is equipped with a telescopic conical nozzle and a pulley-type tip ejector, making tip attachment and ejection more convenient and smooth. The core components are precision-machined from metal screws, with a part accuracy of up to 0.001mm, providing extraordinary accuracy for various liquid transfer tasks. Additionally, models with a volume of 10 $\mu$ l and above are fitted with hydrophobic filters, which reduce the risk of contamination from internal components of the pipette. Covering a single-channel volume range from 0.1 $\mu$ l to 10ml, the BIO-1 pipette meets the pipetting needs of multiple laboratory scenarios, achieving an efficient integration of performance and applicability.

### Applications



Clinical Diagnostic Laboratory



Biotechnology Laboratory



Pharmaceutical and Chemical Laboratories



Environmental Laboratory



Food Laboratory

### Details



Item No.	Channels	Range	Increment	Measuring Volume	Inaccuracy	Imprecision
72741021	1	0.1-3 $\mu$ l	0.02 $\mu$ l	3 $\mu$ l	$\pm 1.30\%$	0.80%
				1.5 $\mu$ l	$\pm 2.40\%$	1.60%
				0.3 $\mu$ l	$\pm 10.00\%$	6.00%
72741031	1	0.5-10 $\mu$ l	0.05 $\mu$ l	10 $\mu$ l	$\pm 1.00\%$	0.60%
				5 $\mu$ l	$\pm 1.50\%$	1.00%
				1 $\mu$ l	$\pm 2.50\%$	1.50%
72741051	1	5-50 $\mu$ l	0.2 $\mu$ l	50 $\mu$ l	$\pm 0.90\%$	0.40%
				25 $\mu$ l	$\pm 1.20\%$	1.00%
				5 $\mu$ l	$\pm 3.00\%$	2.00%
72741061	1	10-100 $\mu$ l	0.5 $\mu$ l	100 $\mu$ l	$\pm 0.80\%$	0.15%
				50 $\mu$ l	$\pm 1.00\%$	0.40%
				10 $\mu$ l	$\pm 2.00\%$	1.00%
72741071	1	20-200 $\mu$ l	1 $\mu$ l	200 $\mu$ l	$\pm 0.60\%$	0.15%
				100 $\mu$ l	$\pm 0.80\%$	0.30%
				20 $\mu$ l	$\pm 2.30\%$	0.90%
72741081	1	100-1000 $\mu$ l	5 $\mu$ l	1000 $\mu$ l	$\pm 0.70\%$	0.20%
				500 $\mu$ l	$\pm 0.70\%$	0.20%
				100 $\mu$ l	$\pm 2.00\%$	0.50%
72741091	1	500-5000 $\mu$ l	20 $\mu$ l	5000 $\mu$ l	$\pm 0.50\%$	0.20%
				2500 $\mu$ l	$\pm 0.60\%$	0.30%
				500 $\mu$ l	$\pm 2.00\%$	0.60%
72741111	1	1-10ml	50 $\mu$ l	10000 $\mu$ l	$\pm 0.60\%$	0.20%
				5000 $\mu$ l	$\pm 1.20\%$	0.30%
				1000 $\mu$ l	$\pm 3.00\%$	0.60%