

Laboratory

DP SERIES

Micropipette - Adjustable Volume

ACCURATE, SAFE & EFFICIENT

The DragLab DP Series Adjustable Volume Micropipette is designed for accurate, comfortable, and reliable liquid handling across a wide range of laboratory applications. With eight adjustable-volume models covering ranges from 0.5 μL to 10 mL, the DP Series provides flexible pipetting solutions for clinical, research, pharmaceutical, and general laboratory workflows. Designed for precise and convenient operation, the micropipette combines smooth volume adjustment, a low-force plunger mechanism, advanced seal technology, and an integrated tip ejector. Its ergonomic lightweight design supports comfortable single-handed operation, while the in-lab calibration capability and autoclavable construction provide practical performance for routine laboratory use.

Precision Liquid Handling for Laboratory Applications



The **DragLab DP Series Adjustable Volume Micropipette** provides a reliable solution for accurate and repeatable liquid handling across a wide range of laboratory applications. Its adjustable-volume design enables users to select the required pipetting volume within the operating range of each model, supporting precise and efficient laboratory workflows. The DP Series combines a smooth low-force plunger mechanism, advanced seal technology, and an integrated volume lock mechanism for controlled and consistent pipetting. Its lightweight ergonomic construction supports comfortable single-handed operation, while the polycarbonate housing and high-performance O-ring seals provide durable performance for routine laboratory use. The integrated tip ejector enables quick and safe tip removal, while in-lab calibration capability allows convenient verification and adjustment without disassembly. With eight adjustable-volume models ranging from **0.5–10 μL to 1–10 mL**, the DP Series offers a flexible solution for clinical, research, pharmaceutical, biotechnology, and general laboratory liquid handling applications.

Application:

- Clinical and diagnostic laboratories for accurate liquid handling in blood, serum, and biochemical sample preparation.
- Research and academic institutions for molecular
- Pharmaceutical and biotechnology laboratories for precise reagent dispensing, sample dilution.
- Measurement of small liquid volumes in analytical testing and product development.
- Genetics and molecular biology laboratories for PCR preparation, DNA/RNA extraction, and other sensitive sample handling procedures.
- Environmental and food testing laboratories for precise preparation of samples and reagents.

Quality and Expertise



DragLab is certified to ISO 9001:2015, reflecting our unwavering commitment to quality and excellence. We continuously optimize our production processes, ensuring that every step is efficient and effective. Through ongoing development and innovation, we strive to meet and exceed industry standards. Our customer-centric approach prioritizes the needs and satisfaction of our clients, driving us to maintain rigorous quality assurance protocols. This dedication ensures that laboratory equipment manufactured by DragLab consistently meets the highest standards of quality and reliability.

DragLab Laboratory Devices are meticulously designed and manufactured from high-quality materials to meet the most rigorous requirements of our customers. Our commitment to excellence and innovation drives continuous development and improvement, informed by daily usage and ongoing technological advancements. 'Quality and Expertise' is not just about creating impressive product designs; it reflects our company's policy of prioritizing high preparedness and customer-centric service as our fundamental objective. This dedication extends to all DragLab products, which comply with current European standards and bear the CE mark.



Micropipette - Adjustable Volume



The **DragLab DP Series Adjustable Volume Micropipette** delivers accurate, comfortable, and reliable liquid handling across clinical, research, pharmaceutical, and laboratory applications. With eight volume ranges from **0.5 µL to 10 mL**, it combines smooth volume adjustment, low-force operation, advanced seal technology, and an integrated tip ejector for precise and efficient pipetting. Its ergonomic design, in-lab calibration capability, and autoclavable construction make it a practical solution for everyday laboratory workflows.



Features:

High-Precision Liquid Handling

Designed to deliver accurate and repeatable volume dispensing across the operating range.

Lightweight Ergonomic Design

A comfortable grip and balanced construction support easy single-handed operation and help reduce hand strain during extended laboratory work.

Low-Force Plunger Mechanism

Smooth aspiration and dispensing improve control while helping minimize user fatigue.

Volume Lock Mechanism

Helps prevent accidental volume changes during transport and repetitive pipetting operations.

Integrated Tip Ejector

Enables quick and safe removal of disposable tips without direct contact, improving workflow efficiency.

Autoclavable Construction

Selected components can be sterilized at **121°C**, supporting practical laboratory hygiene requirements.

Durable Housing

High-quality polycarbonate housing and chemical-resistant materials provide durability for routine laboratory use.

In-Lab Calibration Capability

Suitable for sterilization at 121 °C when required.

Advanced Seal Technology

Designed to minimize dead-air space between the piston and liquid inside the tip, supporting reproducibility and low-volume pipetting performance.

Warranty:

2-year warranty worldwide



Specifications:

Micropipette DP Series							
Adjustable Volume	MODEL	VOLUME RANGE (μ l)	INC. (μ l)	ACCURACY		CV	
				+/-%	+/- μ l	+/-%	+/- μ l
	DP 10	0.5-10 μ l	0.01	1	0.1	0.5	0.05
	DP 20	2-20 μ l	0.02	0.8	0.16	0.4	0.08
	DP 50	5-50 μ l	0.04	0.8	0.4	0.4	0.2
	DP 100	10-100 μ l	0.1	0.6	0.6	0.2	0.2
	DP 200	20-200 μ l	0.2	0.6	1.2	0.2	0.4
	DP 101	100-1000 μ l	1.0	0.6	6.00	0.2	2.00
	DP 105	0.5-5 ML	4.0	0.6	30.00	0.2	10.00
	DP 110	1-10 ML	10.0	0.6	60.00	0.2	20.00

Specifications:

Product Overview	
Product	DragLab DP Series Micropipette
Configuration	Single Channel
Volume Type	Adjustable Volume
Volume Range	0.5–10 µL to 1–10 mL
Key Technologies	Advanced Seal, In-Lab Calibration, Volume Lock Mechanism, Easy Tip Ejector
Housing Material	Polycarbonate (PC)
Seals	High-performance O-ring elastomers
Volume Display	Easy-to-read volume display
Volume Lock	Yes
Tip Ejector	Integrated
Tip Compatibility	Universal / commonly used standard tips
Calibration	
Calibration	DIN EN ISO 8655
In-Lab Calibration	Yes
Calibration Certificate	ISO 17025 Accredited Lab
Safety & Compliance	
Autoclavability	Selected parts, 121°C, 15 psi, 15–20 min
Design	Ergonomic single-hand support clip
Color Identification	Color rings for volume ranges
Operating Temperature	0–40°C
Certification	CE
Quality Management	ISO 9001:2015
environmental Management	ISO 14001
Accessories	
Accessories	Reagent Tray, Calibration Tool, Shelf Hanger & Sample Tips.

Order information:

Description	Model	Article number
Micropipette, DP Series, Adjustable Volume, 0.5-10 µl	DP 10	7110010
Micropipette, DP Series, Adjustable Volume, 2-20 µl	DP 20	7100020
Micropipette, DP Series, Adjustable Volume, 5-50 µl	DP 50	7100050
Micropipette, DP Series, Adjustable Volume, 10-100 µl	DP 100	7100100
Micropipette, DP Series, Adjustable Volume, 20-200 µl	DP 200	7100200
Micropipette, DP Series, Adjustable Volume, 100-1000 µl	DP 101	7101000
Micropipette, DP Series, Adjustable Volume, 0.5-5 ML	DP 105	7105000
Micropipette, DP Series, Adjustable Volume, 1-10 ML	DP 110	7110000