

# MICROLIT RBO

High Precision Micropipette Single Channel and Multichannel



# Single Channel Variable Volume Micropipette

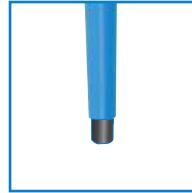
The instrument is fully autoclavable at 121 °C and 15 psi for a duration of 10 -15 minutes

Prominently used for Molecular Biology, Microbiology, Immunology, Cell Culture, Analytical Chemistry, Biochemistry, Genetics.



### Adjust Volume Easily with Plunger

The Plunger has been carefully designed with a high quality spring mechanism to ensure snag free and soft movement. Simply turn it to adjust the instrument's volume comfortably.



### Use Various Tips with a Universal Tipcone

A Universal Tipcone enhances the compatibility of the instrument and enables it to easily work with most of the internationally accepted standard tips.



### Set the Volume with Perfection

A soft click sound at every increment ensures perfect volume setting and prevents any accidental changes. It also facilitates single-handed operation.



### Store Safely with a Holder

The Instrument includes a Holder that enables easy, efficient and safe storage.



### Eject Tips Easily with a Tip Ejector

An in-built, streamlined Tip Ejector enables easy tip ejection and comfortable access to bottles and tubes with narrow necks.



### Work with a Good Grip

A specially designed large Grippy provides good grip and great ease of use while operating.

The Single Channel Variable Volume Micropipette is available in 9 unique volume ranges from 0.2 µl to 10 ml.

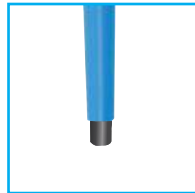
| SPECIFICATIONS AND ORDERING INFORMATION | Model     | Volume Range | Inc. µl | A   |      | CV  |       |
|-----------------------------------------|-----------|--------------|---------|-----|------|-----|-------|
|                                         |           |              |         | ±%  | ±µl  | ±%  | ±µl   |
|                                         | RBO-2     | 0.2-2.0 µl   | 0.01    | 2   | 0.04 | 1.2 | 0.024 |
|                                         | RBO-10    | 0.5-10 µl    | 0.02    | 1   | 0.1  | 0.5 | 0.05  |
|                                         | RBO-20    | 2-20 µl      | 0.02    | 0.8 | 0.16 | 0.4 | 0.08  |
|                                         | RBO-50    | 5-50 µl      | 0.1     | 0.8 | 0.4  | 0.4 | 0.2   |
|                                         | RBO-100   | 10-100 µl    | 0.2     | 0.6 | 0.6  | 0.2 | 0.2   |
|                                         | RBO-200   | 20-200 µl    | 0.2     | 0.6 | 1.2  | 0.2 | 0.4   |
|                                         | RBO-1000  | 100-1000 µl  | 1.0     | 0.6 | 6    | 0.2 | 2     |
|                                         | RBO-5000  | 0.5-5 ml     | 10.0    | 0.6 | 30   | 0.2 | 10    |
|                                         | RBO-10000 | 1-10 ml      | 20.0    | 0.6 | 60   | 0.2 | 20    |

The error limits (Accuracy and Coefficient of Variation) mentioned above are in accordance with the nominal capacity (or maximum volume) indicated on the instrument. These are obtained by using the instrument with distilled water at equilibrium, the ambient temperature of 20°C while operating it smoothly and steadily. The error limits are in accordance with DIN EN ISO 8655-2.

# Single Channel Fixed Volume Micropipette

The instrument is fully autoclavable at 121 °C and 15 psi for a duration of 10 -15 minutes

Recommended for Clinical Diagnostics, Control Analysis.



### Use Various Tips with a Universal Tipcone

A Universal Tipcone enhances the compatibility of the instrument and enables it to easily work with most of the internationally accepted standard tips.



### Work with a Good Grip

A specially designed large Grippy provides good grip and great ease of use while operating.



### Store Safely with a Holder

The Instrument includes a Holder that enables easy, efficient and safe storage.



### Eject Tips Easily with a Tip Ejector

An in-built, streamlined Tip Ejector enables easy tip ejection and comfortable access to bottles and tubes with narrow necks.

The Single Channel Fixed Volume is available in 15 unique volumes from 1.0 µl to 10 ml.

| SPECIFICATIONS AND ORDERING INFORMATION | Model       | Vol. µl | A   |      | CV  |      |
|-----------------------------------------|-------------|---------|-----|------|-----|------|
|                                         |             |         | ±%  | ±µl  | ±%  | ±µl  |
|                                         | RBO-F-1     | 1.0     | 5   | 0.05 | 5   | 0.05 |
|                                         | RBO-F-2     | 2.0     | 4   | 0.08 | 2   | 0.04 |
|                                         | RBO-F-5     | 5.0     | 2   | 0.1  | 1   | 0.05 |
|                                         | RBO-F-10    | 10.0    | 1   | 0.1  | 0.5 | 0.05 |
|                                         | RBO-F-20    | 20.0    | 0.8 | 0.16 | 0.4 | 0.08 |
|                                         | RBO-F-25    | 25.0    | 0.8 | 0.2  | 0.4 | 0.1  |
|                                         | RBO-F-50    | 50.0    | 0.8 | 0.4  | 0.4 | 0.2  |
|                                         | RBO-F-100   | 100.0   | 0.6 | 0.6  | 0.2 | 0.2  |
|                                         | RBO-F-200   | 200.0   | 0.6 | 1.2  | 0.2 | 0.4  |
|                                         | RBO-F-250   | 250.0   | 0.6 | 1.5  | 0.2 | 0.5  |
|                                         | RBO-F-500   | 500.0   | 0.6 | 3    | 0.2 | 1    |
|                                         | RBO-F-1000  | 1000.0  | 0.6 | 6    | 0.2 | 2    |
|                                         | RBO-F-2000  | 2000.0  | 0.6 | 12   | 0.2 | 4    |
|                                         | RBO-F-5000  | 5000.0  | 0.6 | 30   | 0.2 | 10   |
|                                         | RBO-F-10000 | 10000.0 | 0.4 | 40   | 0.2 | 20   |

The error limits (Accuracy and Coefficient of Variation) mentioned above are in accordance with the nominal capacity (or maximum volume) indicated on the instrument. These are obtained by using the instrument with distilled water at equilibrium, the ambient temperature of 20°C while operating it smoothly and steadily. The error limits are in accordance with DIN EN ISO 8655-2.

The precision and accuracy of our liquid handling instruments is twice better than industry standards \*

\*ISO 8655 is the globally accepted industry standard for piston-operated volumetric apparatus. The evaluation was performed by trained and certified personnel at an ISO17025 accredited lab.

# Multichannel (8-channel and 12-channel) Micropipette

The instrument is fully autoclavable at 121 °C and 15 psi for a duration of 10 -15 minutes

Recommended for ELISA (Diagnostic Test), Molecular Screening, Kinetic Studies, DNA Amplification



### Adjust Volume Easily with Plunger

The Plunger has been carefully designed with a high quality spring mechanism to ensure snag free and soft movement. Simply turn it to adjust the instrument's volume comfortably.



### Use Various Tips with a Universal Tipcone

A Universal Tipcone enhances the compatibility of the instrument and enables it to easily work with most of the internationally accepted standard tips.



### Set the Volume with Perfection

A soft click sound at every increment ensures perfect volume setting and prevents any accidental changes. It also facilitates single-handed operation.



### Work with a Good Grip

A specially designed large Grippy provides good grip and great ease of use while operating.



### Store Safely with a Holder

The Instrument includes a Holder that enables easy, efficient and safe storage.



### Eject Tips with a Sequential Tip Ejector

A specially designed Sequential Tip Ejector and Tip Ejection Knob facilitate easy and effortless tip ejection, single-handedly.



### Operate Flexibly

The lower housing of both the instruments can be rotated 360° providing enhanced operational flexibility.

Both 8-channel and 12-channel Micropipettes are offered in 6 models, covering volume ranges from 0.5-10 µl to 40-300 µl.

| SPECIFICATIONS AND ORDERING INFORMATION<br>8-channel Micropipette | Model     | Volume Range | Inc. µl | A   |      | CV  |      |
|-------------------------------------------------------------------|-----------|--------------|---------|-----|------|-----|------|
|                                                                   |           |              |         | ±%  | ±µl  | ±%  | ±µl  |
|                                                                   | RBO-E-10  | 0.5-10µl     | 0.02    | 1.6 | 0.16 | 1   | 0.1  |
|                                                                   | RBO-E-20  | 02-20µl      | 0.02    | 0.8 | 0.16 | 0.4 | 0.08 |
|                                                                   | RBO-E-50  | 5-50µl       | 0.1     | 0.8 | 0.4  | 0.4 | 0.2  |
|                                                                   | RBO-E-100 | 10-100µl     | 0.2     | 0.8 | 0.8  | 0.3 | 0.3  |
|                                                                   | RBO-E-200 | 20-200µl     | 0.2     | 0.8 | 1.6  | 0.3 | 0.6  |
|                                                                   | RBO-E-300 | 40-300µl     | 1       | 0.8 | 2.4  | 0.3 | 0.9  |

| SPECIFICATIONS AND ORDERING INFORMATION<br>12-channel Micropipette | Model     | Volume Range | Inc. µl | A   |      | CV  |      |
|--------------------------------------------------------------------|-----------|--------------|---------|-----|------|-----|------|
|                                                                    |           |              |         | ±%  | ±µl  | ±%  | ±µl  |
|                                                                    | RBO-T-10  | 0.5-10µl     | 0.02    | 1.6 | 0.16 | 1   | 0.1  |
|                                                                    | RBO-T-20  | 02-20µl      | 0.02    | 0.8 | 0.16 | 0.4 | 0.08 |
|                                                                    | RBO-T-50  | 5-50µl       | 0.1     | 0.8 | 0.4  | 0.4 | 0.2  |
|                                                                    | RBO-T-100 | 10-100µl     | 0.2     | 0.8 | 0.8  | 0.3 | 0.3  |
|                                                                    | RBO-T-200 | 20-200µl     | 0.2     | 0.8 | 1.6  | 0.3 | 0.6  |
|                                                                    | RBO-T-300 | 40-300µl     | 1       | 0.8 | 2.4  | 0.3 | 0.9  |

The error limits (Accuracy and Coefficient of Variation) mentioned above are in accordance with the nominal capacity (or maximum volume) indicated on the instrument. These are obtained by using the instrument with distilled water at equilibrium, the ambient temperature of 20°C while operating it smoothly and steadily. The error limits are in accordance with DIN EN ISO 8655-2.

## Experience the Power of Precision During Routine Laboratory Operations

MICROLIT RBO is a range of High Precision Micropipettes that offer a sophisticated blend of features and functionality. Built by our in-house team of product design engineers, it is categorised into Single Channel (Fixed and Variable Volume) and Multichannel (8-channel and 12-channel) Micropipettes

These instruments are designed with ergonomics and intuitive handling in mind, and facilitate remarkable user experiences in practical laboratory environments.

## Assured Quality with ISO 8655 Conformed Calibration



MICROLIT RBO is calibrated in an ISO 17025 accredited laboratory according to ISO 8655 standards.

A calibration certificate is included inside the product package.

A calibration tool is also included for quick in-lab re-calibration.

## Colour Coding for Easy Identification



Colour-coding for different capacities facilitates easy identification during daily laboratory routine

## Our Product Excellence



Our products reflect the design philosophy of our organization, combining the best performance parameters with the best user experience

**We were honoured by CII Industrial Innovation Awards and adjudged a place in the top 50 Most Innovative Companies of 2022.**

We are also accredited by a number of global organizations and have earned worldwide credibility.

## OUR REACH



## YOUR SATISFACTION IS OUR PRIORITY

Established in 1991, Microlit is one of the world's leading manufacturers & exporters of laboratory liquid handling instruments. Our product range includes micropipettes, bottle top dispensers, electronic burette, electronic pipette filling device and other micropipette accessories. With our patented products, innovative technologies & unfaltering trust of 8000+ consumers in 95+ countries, we are recognized as a respected & dependable brand in Healthcare and Lifesciences industry. Our offices are located in India (HQ), USA & Brazil. With a research-oriented & customer-centric team of product design engineers, our product design blends the best of functional performance & user experience. Our innovative products have helped us carve a niche in R&D industry while providing our users high level of precision & accuracy in their research work.

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