

# MICROLIT RBO

High Precision Micropipette Single Channel and Multichannel



# Single Channel Variable Volume Micropipette

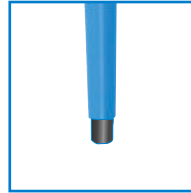
The instrument is fully autoclavable at 121 °C and 15 psi for a duration of 10 - 15 minutes.

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.

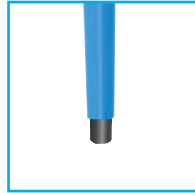
SPECIFICATIONS AND ORDERING INFORMATION	Model	Volume Range	Inc. µl	A		CV	
				±%	±µl	±%	±µl
	RBO-2	0.2-2.0 µl	0.002	2	0.04	1.2	0.024
	RBO-10	0.5-10 µl	0.02	1	0.1	0.5	0.05
	RBO-20	2-20 µl	0.02	0.8	0.16	0.4	0.08
	RBO-50	5-50 µl	0.1	0.8	0.4	0.4	0.2
	RBO-100	10-100 µl	0.2	0.6	0.6	0.2	0.2
	RBO-200	20-200 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

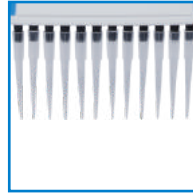
The instrument is fully autoclavable at 121 °C and 15 psi for a duration of 10 - 15 minutes.

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 8 - Channel Micropipette	Model	Volume Range	Inc. µl	A ±%		CV ±%	
				±%	±µl	±%	±µl
	RBO-MCA-8/10	0.5-10µl	0.02	1.6	0.16	1	0.1
	RBO-MCA-8/20	02-20µl	0.02	0.8	0.16	0.4	0.08
	RBO-MCA-8/50	5-50µl	0.1	0.8	0.4	0.4	0.2
	RBO-MCA-8/100	10-100µl	0.2	0.8	0.8	0.3	0.3
	RBO-MCA-8/200	20-200µl	0.2	0.8	1.6	0.3	0.6
	RBO-MCA-8/300	40-300µl	0.2	0.8	2.4	0.3	0.9

SPECIFICATIONS AND ORDERING INFORMATION 12 - Channel Micropipette	Model	Volume Range	Inc. µl	A ±%		CV ±%	
				±%	±µl	±%	±µl
	RBO-MCA-12/10	0.5-10µl	0.02	1.6	0.16	1	0.1
	RBO-MCA-12/20	02-20µl	0.02	0.8	0.16	0.4	0.08
	RBO-MCA-12/50	5-50µl	0.1	0.8	0.4	0.4	0.2
	RBO-MCA-12/100	10-100µl	0.2	0.8	0.8	0.3	0.3
	RBO-MCA-12/200	20-200µl	0.2	0.8	1.6	0.3	0.6
	RBO-MCA-12/300	40-300µl	0.2	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 recalibration.

## 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 25 Most Innovative Companies of 2016.**

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

## OUR REACH



## YOUR SATISFACTION IS OUR PRIORITY

Microlit products follow GMP norms and are manufactured under comprehensive QA (Quality Assurance) and QC (Quality Control). However, if you are dissatisfied with the operation of any of our products, get in touch with us or call your nearest Microlit dealer for free replacement.

## CONTACT US

### **Microlit India**

629 Pakramau, Kursi Road, Lucknow 226026, India  
Phone: +91 9918625629, Email: [info@microlit.com](mailto:info@microlit.com)  
[www.microlit.com](http://www.microlit.com)

### **Microlit USA**

33 Wood Avenue South, Suite 600, Iselin, NJ 08830, USA  
Phone: +1 732 321 0852, Email: [info-usa@microlit.com](mailto:info-usa@microlit.com)  
[www.microlit.us](http://www.microlit.us)

### **Microlit LATAM**

Business Place Ibirapuera, Alameda dos Jurupis, 1005,  
Indianópolis, São Paulo, Brasil  
Phone: +55 11 93269-5932, Email: [info-latam@microlit.com](mailto:info-latam@microlit.com)

# MICROLIT PRO TIP™ | Micropipette Tips & Tip Boxes



## Experience Pipetting Precision with Microlit's ProTip™

### Instructions for Use

Before using the tips, familiarize yourself with the operating manual of the relevant instrument.

Check the pack and contents carefully for any damage.

For filter tips, check whether there is a dual-filter in every tip and whether it is correctly positioned, undamaged and not twisted. If you detect any fault, do not use the tip.

The tips should always be emptied into a container so that no fluid sprays into the environment. After use, dispose of tips in accordance with relevant guidelines.

Tips should not be filled with fluids which attack Polypropylene (PP) or in the case of filter tips Polyethylene (PE) also.

If you are in any doubt as to the suitability of your product for its intended use or as to the reagent, you will find our contact details on the back page.



**Manufacturer Recommended**  
Excellent compatibility with Microlit RBO & Microlit NERO - Assured accuracy and precision.



**Exceptionally Clean Release**  
Considerably more hydrophobic than standard tips enabling even viscous fluids to be dispensed completely.



**Certified free release**  
Free of detectable RNase, DNase, DNA, PCR inhibitors and tested non-pyrogenic.



**Comprehensive Range**  
Both MICRO (up to 1000ul) and MACRO (up to 10ml) in standard (non filter, non sterile) and filtered varieties.



**Flexible Packaging**  
Available in racked, reloads and bulk packaging.



## SPECIFICATIONS & ORDERING INFORMATION

Product Description	Capacity	Pack/Box	Model No.
Micropipette Tip Packets (The tips are DNase, RNase and Pyrogen Free)	Upto 10 µl	100 tips/pack	MT/10/100
	Upto 200 µl	1000 tips/pack	MT/200/1000
	Upto 300 µl	1000 tips/pack	MT/300/1000
	Upto 1000 µl	1000 tips/pack	MT/1000/1000
	Upto 5000 µl	100 tips/pack	MT/5000/100
	Upto 10000 µl	100 tips/pack	MT/10000/100
Micropipette Tip Boxes (The tips are DNase, RNase and Pyrogen Free)	Upto 10 µl	96 tips/box	TPB-MT/10/96
	Upto 200 µl	96 tips/box	TPB-MT/200/96
	Upto 300 µl	96 tips/box	TPB-MT/300/96
	Upto 1000 µl	96 tips/box	TPB-MT/1000/96
	Upto 5000 µl	18 tips/box	TPB-MT/5000/18
	Upto 10000 µl	18 tips/box	TPB-MT/10000/18
Micropipette Filter Tip Packets (The filter tips are DNase, RNase and Pyrogen Free)	Upto 10 µl	1000 tips/pack	MFT/10/1000
	Upto 20 µl	1000 tips/pack	MFT/20/1000
	Upto 100 µl	1000 tips/pack	MFT/100/1000
	Upto 200 µl	1000 tips/pack	MFT/200/1000
	Upto 300 µl	1000 tips/pack	MFT/300/1000
	Upto 1000 µl	500 tips/pack	MFT/1000/500
Micropipette Filter Tip Boxes (The filter tips are sterile, DNase, RNase and Pyrogen Free)	Upto 10 µl	96 tips/box	TPB-MFT/10/96
	Upto 20 µl	96 tips/box	TPB-MFT/20/96
	Upto 100 µl	96 tips/box	TPB-MFT/100/96
	Upto 200 µl	96 tips/box	TPB-MFT/200/96
	Upto 300 µl	96 tips/box	TPB-MFT/300/96
	Upto 1000 µl	96 tips/box	TPB-MFT/1000/96
	Upto 1250 µl	96 tips/box	TPB-MFT/1250/96

## SPECIFICATIONS & ORDERING INFORMATION

Product Description	Capacity	Pack/Box	Model No.
Low Retention, Filter Tips - Poly Packed (The filter tips are low retention, sterile, DNase, RNase and Pyrogen Free)	Upto 10 µl	1000 tips/pack	LR/MFT/10/1000
	Upto 20 µl	1000 tips/pack	LR/MFT/20/1000
	Upto 100 µl	1000 tips/pack	LR/MFT/100/1000
	Upto 200 µl	1000 tips/pack	LR/MFT/200/1000
	Upto 1000 µl	1000 tips/pack	LR/MFT/1000/1000
Low Retention, Filter Tips - Box Packing (The filter tips are low retention, sterile, DNase, RNase and Pyrogen Free)	Upto 10 µl	96 tips/box	LR/TPB-MFT/10/96
	Upto 20 µl	96 tips/box	LR/TPB-MFT/20/96
	Upto 100 µl	96 tips/box	LR/TPB-MFT/100/96
	Upto 200 µl	96 tips/box	LR/TPB-MFT/200/96
	Upto 1000 µl	96 tips/box	LR/TPB-MFT/1000/96



## OUR REACH



## YOUR SATISFACTION IS OUR PRIORITY

Microlit products follow GMP norms and are manufactured under comprehensive QA (Quality Assurance) and QC (Quality Control). However, if you are dissatisfied with the operation of any of our products, get in touch with us or call your nearest Microlit dealer for free replacement.

## CONTACT US

### **Microlit India**

629 Pakramau, Kursi Road, Lucknow 226026, India  
Phone: +91 9918625629, Email: [info@microlit.com](mailto:info@microlit.com)  
[www.microlit.com](http://www.microlit.com)

### **Microlit USA**

33 Wood Avenue South, Suite 600, Iselin, NJ 08830, USA  
Phone: +1 732 321 0852, Email: [info-usa@microlit.com](mailto:info-usa@microlit.com)  
[www.microlit.us](http://www.microlit.us)

### **Microlit LATAM**

Business Place Ibirapuera, Alameda dos Jurupis,1005,  
Indianópolis, São Paulo, Brasil  
Phone: +55 11 93269-5932, Email: [info-latam@microlit.com](mailto:info-latam@microlit.com)