



# Micropipette



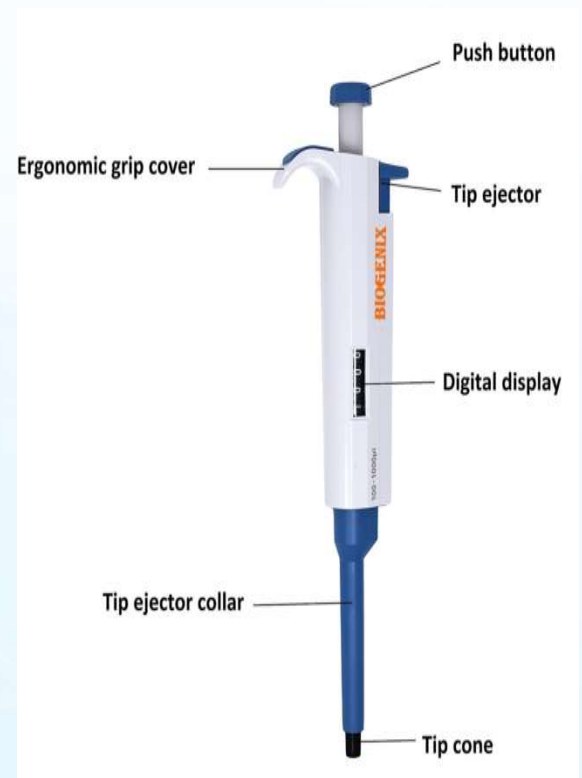
## Description

**BIOGENIX®** is a range of High Precision Micropipettes that offers a sophisticated blend of features and functionality. Built by our in-house team of product design engineers, it is categorized 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. The Single Channel Fixed Volume Micropipette is recommended for Clinical Diagnostics, Control Analysis, etc.

# Single Channel Variable Volume Micropipette

## Features

- ❑ An ergonomic handle hook design for easy grip in the palm
- ❑ A clear design for the tip eject button
- ❑ A clear reading window
- ❑ Availability for autoclave of the tip and the pusher, also detachable to facilitate cleaning and maintenance.



### Adjust Volume Easily with Plunger

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



**Accuracy & precision** for superior performance

### Use Various Tips with a Universal Tip cone

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



### 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.



# SPECIFICATION

Model No.	Vol. Range	Increment (µL)	Accuracy		CV	
			±%	±µL	±%	±µL
<b>BSP-2</b>	0.2-2.0 µl	0.002	2	0.04	1.2	0.024
<b>BSP-10</b>	0.5-10 µl	0.02	1	0.1	0.5	0.05
<b>BSP-20</b>	2-20 µl	0.02	0.8	0.16	0.4	0.08
<b>BSP-50</b>	5-50 µl	0.1	0.8	0.4	0.4	0.2
<b>BSP-100</b>	10-100 µl	0.2	0.6	0.6	0.2	0.2
<b>BSP-200</b>	20-200 µl	0.2	0.6	1.2	0.2	0.4
<b>BSP-1000</b>	100-1000µl	1	0.6	6	0.2	2
<b>BSP-5000</b>	0.5-5 ml	10	0.6	30	0.2	10
<b>BSP-10000</b>	1-10 ml	20	0.6	60	0.2	20

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



### ■ Adjust Volume Easily with Plunger

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

### ■ Use Various Tips with a Universal Tip cone

A Universal Tip cone 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 Sequential Tip Ejector

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

### ■ Work with a Good Grip

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

### ■ Operate Flexibly

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

### ■ Assured Quality with ISO 8655 Conformed Calibration

BioGenix Pipettes 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.

### ■ Work with a Comprehensive Volume Range

MICROLIT RBO Multichannel Micropipettes are available in six unique volumes ranging from 0.5-10 µl to 40-300 µl.

\*Refer to the table in technical specifications.

### ■ Autoclaving Parameters

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

# SPECIFICATIONS OF MULTICHANNEL MICROPIPETTES

Model No.	Vol. Range	Increment ( $\mu$ l)	Accuracy		CV	
			$\pm\%$	$\pm\mu$ l	$\pm\%$	$\pm\mu$ l
BSP-MCA- 8/10	0.5-10 $\mu$ l	0.02	1.6	0.16	1	0.1
BSP-MCA- 12/10						
BSP-MCA- 8/20						
BSP-MCA- 12/20	2-20 $\mu$ l	0.02	0.8	0.16	0.4	0.08
BSP-MCA- 8/50						
BSP-MCA- 12/50						
BSP-MCA- 8/100	5-50 $\mu$ l	0.1	0.8	0.4	0.4	0.2
BSP-MCA- 12/100						
BSP-MCA- 8/200						
BSP-MCA- 12/200	10-100 $\mu$ l	0.2	0.8	0.8	0.3	0.3
BSP-MCA- 8/300						
BSP-MCA- 12/300						
BSP-MCA- 8/200	20-200 $\mu$ l	0.2	0.8	1.6	0.3	0.6
BSP-MCA- 12/200						
BSP-MCA- 8/300	40-300 $\mu$ l	0.2	0.8	2.4	0.3	0.9
BSP-MCA- 12/300						

## APPLICATIONS:

The most important fields in which micropipette can be widely utilized include:

- Pharmaceuticals
- Health Care
- Food & Beverage
- Environmental Monitoring
- Academic & Research Institutes
- Diagnostic Kits
- Life Sciences

## Advantages of micropipette

The micropipette is a trusted device for dispensing precise amounts of liquid. It enhances the effectiveness of testing with efficiency. Other benefits that a micropipette provides are described below:

- Time Saving
- Ergonomics
- Accuracy & Precision
- Ease of Use

## Cleaning, maintenance, and storage of a micropipette

The care and maintenance of a micropipette is an important routine in laboratories.

Implementing a proper maintenance schedule can reduce the cost of a new purchase of this expensive equipment. Cleaning the micropipette takes time, focus and practice; otherwise, the micropipette can be damaged. So, it is important to handle the micropipette carefully while cleaning. The following is a comprehensive guide for proper cleaning of micropipettes.

◆ **External Cleaning:** Most of the pipette can be cleaned externally with typical laboratory cleaning agents, soaps or alcohol. To ensure the full sterilization, let the cleaning solution sit on the micropipette for 10-15 min before wiping it off.

◆ **Internal Cleaning:** Cleaning the interior of the micropipette can be more time-consuming because it requires full disassembly. Also, every part of the micropipette will need to be cleaned properly depending on the liquid used in sampling.

- Refer to the instructions manual for a specific direction of micropipette
- Use a cotton swab with a cleaning solution and distilled water
- Lightly grease the pistons with the lubricant provided upon purchase
- Reassemble all parts and check to ensure the micropipette operates smoothly

## BIOGENIX SYSTEMS PRIVATE LIMITED

S-10, Pankaj Central Plaza, Pocket-5, Plot no-5,  
Sector-12, Dwarka, New Delhi-110075, INDIA

Email: [sales@biogenixsystems.com](mailto:sales@biogenixsystems.com) |

Phone: +91-11-43738899 | 9990251155-99 | 9911717057

Website: [www.biogenixsystems.com](http://www.biogenixsystems.com)