

Micropipette

Technical Sheet

Description

These pipettes are available as fixed or variable, general purpose micropipettes for sampling and dispensing accurate amounts of liquid in micro volumes. They operate on the air displacement principle and use disposable tips of any standard make. All pipettes are equipped with a built-in tip injector.

Features

- Fully autoclavable without disassembly for maximum convenience as well as protection from contamination.
- Enhanced UV resistance.
- High performance, light weight and easy in operating.
- Fatigue free working with convenient finger rest.
- Made with special materials for better protection against chemical and physical corrosion.
- Pipette handle has coating of Thermoplastic Elastomer to prevent body heat transfer to internal parts for high accuracy even during continuous use.
- Volume display is always visible while pipetting.
- In house cleaning, repair and calibration possible without any special tools.
- New tip cone design for smooth fitting with many brands of tips.
- Color coding for easy identification.
- Shelf mounting stand for efficient handling and storage.
- Supplied with individual quality certificate (QC) and calibration report according to ISO8655.
- CE IVD Compliant.

Recommendations

- Aspirate liquid into the pipette only when a tip is attached to its tipcone.
- Allow liquids, tips, and pipettes to equilibrate to the ambient temperature.
- Pre-rising of tip 5 times with the liquid to be dispensed is recommended.
- This is important especially when dispensing liquids which have a viscosity and density different from water.
- Pre-rinse the tip several times before use when pipetting liquids at temperature different from ambient.
- While pipetting, the pipettor should be vertically straight and tip should be dipped only a few millimeters into the liquid.
- Always control the push button movements with the thumb for consistency.
- Wipe the tip only if there is liquid on the outside of the tip, being careful to avoid touching the tip's orifice.
- Don't keep pipette in your hand while not working, to avoid transferring of body heat.
- Use the correct pipette tip designed for use with the particular pipette.
- Select the correct pipetting technique (e.g. reverse, forward, etc.) depending on the nature of the liquid.
- Using excessive force to turn the push button outside the range specified for it may jam the mechanism and damage the pipettor.

Maintenance

To maintain the best results from your pipettor, each unit should be checked every day for cleanliness. Particular attention should be paid to the tip cone(s). This pipettor has been designed for easy inhouse service. However, we also provide complete repair and calibration service. Please return your pipettor to your local distributor for repair or calibration. Before returning, please make sure that it is free from any contamination. Check the performance of your pipettor regularly e.g every 3 months and after every in-house service or maintenance.

Autoclaving

This entire pipette can be autoclaved (sterilized) by steam at 121°C for 20 minutes at atm preassure. After the autoclaving, let the pipette cool down and dry for 6 hours before use.
IT IS NOT REQUIRED TO RE-CALIBRATE THIS PIPETTE AFTER AUTOCLAVING.

Calibration

Each pipette has been checked & calibrated at factory with procedure conforming too EN-ISO 8655 standards. It is recommended to check the calibration at least once a year, for regularly used pipette.

Storage

When not in use, it is recommended that your pipettor is stored in a vertical position. Leaving the pipette on its side can cause liquids to leak into the body of the pipette and cause corrosion.

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