

MICROLIT LILPET

Miniature Fixed Volume Micropipette with Two-step Plunger Operation



Perform Sensitive Laboratory Operations with Assurance

MICROLIT LILPET, a miniature fixed volume micropipette, is a low cost, high precision liquid handling instrument.

Designed by our in-house team of product design engineers, it offers Two-step Plunger Operation and is specially designed for use with diagnostic kits.

The ergonomic and intuitive design of these micropipettes helps in performing sensitive operations with high precision, accuracy and reliability in practical laboratory environments.

Experience the Power of Precision in Your Daily Laboratory Routine



Designed for Comfortable Usage

MICROLIT LILPET has an optimum size - 130 mm in length - for high user comfort during pipetting.

While using, hold it like a pipette, and not a syringe.



Operate Accurately with Two-step Plunger Operation

MICROLIT LILPET comes with Two-step Plunger Operation that facilitates reverse pipetting and ensures last drop dispensing.



Handle a Range of Volumes

The instrument's tip cone (5 μ l, 10 μ l, 20 μ l) is designed to accept micro tips of 200 μ l capacity and ultra-micro tips of 20 μ l capacity. The use of latter significantly enhances accuracy in practical laboratory environments.



Autoclaving Parameters

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

Offered in 7 Fixed Capacities

1. 5 μ l
2. 10 μ l
3. 20 μ l
4. 25 μ l
5. 50 μ l
6. 100 μ l
7. 200 μ l

**Refer to the specifications and ordering information.*

Assured Quality with ISO 8655 Conformed Calibration

Each MICROLIT LILPET is calibrated individually in an ISO 17025 laboratory according to ISO 8655 standards.

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.

SPECIFICATIONS AND ORDERING INFORMATION

Model No.	Volume μ l	Accuracy $\pm\%$	CV $\pm\%$
LIL-5	5	2.5	1.5
LIL-10	10	1.2	0.8
LIL-20	20	1.0	0.5
LIL-25	25	1.0	0.4
LIL-50	50	1.0	0.4
LIL-100	100	0.8	0.3
LIL-200	200	0.8	0.3

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 and steadily.

Th error limits are in accordance with DIN EN ISO 8655-2.

Industry Focus -

MICROLIT LILPET and the Diagnostic Kits Manufacturing Industry

Today, the Diagnostic Kits Manufacturing Industry is growing at a tremendous rate in order to satisfy the ever-increasing need to analyse, determine or detect diseases in living organisms and/or measure the concentration of contaminants in consumer edibles like Beverages & Drinking Water, Milk & Dairy Products and Edible Fats & Oils etc.

One of the biggest consumers of diagnostic kits are the developing countries. The Rapid Test Kit detect the contamination of Milk Samples by Beta-Lactam and Tetracycline molecules.

In addition, Diagnostic Kits are also used as HbA1C Test Kits for diabetes detection. Real-time PCR or Quantitative PCR (qPCR) kits are used for pathogen detection, veterinary testing, meat speciation, fish speciation, GMO detection, Allergen testing, etc.

In order to carry out all these operations accurately, precise sampling and smooth transfer of these samples is essential.

Our specially designed range of Miniature Micropipettes MICROLIT LILPET, that are also available as customisable OEM products, empower these Diagnostic Kits by offering a sophisticated blend of mobility, high ease of use.

*ISO 8655 is the globally accepted industry standard for piston-operated volumetric apparatus.

The evaluation was performed by trained and certified personnel at an ISO 17025 accredited lab.



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 & unflinching 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.

CONTACT US

Microlit INDIA

629 Pakramau, Kursi Road, Lucknow 226026, India
Phone: +91 9918625629, Email: info@microlit.com
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
www.microlit.us

Microlit LATAM

Business Place Ibirapuera, 9th Floor, Number 93,
Alameda dos Jurupis 1005 - Moema,
Indianópolis São Paulo, Brasil CEP - 04088-000,
Phone: +55 11 93269-5932, Email: info-latam@microlit.com

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