

Microlab[®] 300 Series Guided Pipetting System

Minimize Pipetting Errors While Making Your Job Easier



The Microlab 300 redefines the handheld pipette industry by delivering four core benefits:

▶ **Guided Processes**

Run-only methods reduce errors by guiding you through traceable pipetting applications while 21 CFR Part 11-compliant log files, password protection and user verification features ensure laboratory accountability.

▶ **User-Friendly Software**

An easy-to-use interface allows you to quickly create, save and recall stored methods while automatically set volumes eliminate manual errors.

▶ **Reduced Fatigue**

The lightest pipette probe in the industry paired with low tip installation and ejection force minimize muscle strain.

▶ **Improved Accuracy**

The use of basic liquid classes and ClickSure™ tip technology ensure a level of accuracy not obtainable through standard pipetting.

**Microlab 300
Applications:**

- ▶ PCR
- ▶ Extractions
- ▶ Serial dilutions
- ▶ Cytotoxicity assays
- ▶ Sample preparation
- ▶ Viability assays
- ▶ Protein detection
- ▶ Gel electrophoresis
- ▶ Transfections



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Controller Touchscreen

A large, easy-to-use color touchscreen displays programmed pipetting methods, dilutions, aliquots and more in real time. The controller screen may also be tilted for comfort or mounted remotely for convenience.



Syringe Drive Unit

The functional core of the Microlab 300 where Hamilton's proven technology delivers precise liquid handling control.

Understanding the Guided Pipetting System

The Microlab 300 Series Pipettor ensures pipetting results with easy-to-use software that instructs users through controlled protocols.

The system features a precise stepper motor and covers the entire range of 0.5 to 1000 μ L in a single disposable tip hand probe.



The Microlab 300 is a great semi-automated instrument that offers you the high throughput and consistency of a fully automated platform at an affordable price.

Linked Methods

User-Friendly Software to Create Complete Pipetting Protocols

The Microlab 300 offers a simple, graphical interface that allows the user to string together operations like pipetting, aliquoting, serial dispensing and mixing into a complete method that takes the place of hardcopy SOPs. A user can simply walk up to the instrument, select a protocol and execute the method start to finish with no additional screen inputs.





Cable Management System

A spring-loaded tubing management system that retracts to support the weight of the probe and which reduces bench top clutter by providing a dedicated attachment for glassware and other accessories.

Disposable Tip Hand Probe

A lightweight, electronic pipetting probe that reduces hand fatigue and injury.

ClickSure Tips

Eco-friendly tips with Hamilton ClickSure technology validated to ensure accurate results and ease of use.

Microlab 300 Technical Data

Vol. (µL)	Accuracy (±%)	Precision (+%)
0.5	7.00%	8.00%
1	4.00%	4.00%
5	1.50%	1.00%
10	1.00%	0.90%
20	0.90%	0.65%
25	0.85%	0.60%
50	0.80%	0.50%
100	0.80%	0.40%
200	0.75%	0.35%
250	0.75%	0.35%
500	0.75%	0.35%
750	0.50%	0.20%
1000	0.40%	0.15%

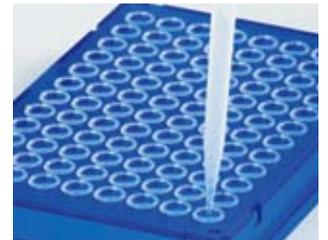
ClickSure Tips

ClickSure Technology: Less Force, More Comfort

ClickSure tips are validated to optimize the performance of the Microlab 300, offering superior accuracy and precision.

Additional benefits include:

- ▶ Less force is required to load and eject a tip
- ▶ Tips are competitively priced
- ▶ Tip packaging and tips are recyclable for eco-conscious labs



One size solves all

One probe with two tip sizes covers the entire volume range, eliminating the need to switch pipettes and saving you procedural and calibration time.

Ordering Information

Part Number	Description
67100-01	Microlab 300 Series Pipettor
235537	50 µL, non-sterile ClickSure Tips, 960 tips racked
235543	50 µL, non-sterile ClickSure Tips, 960 bulk
235536	50 µL, sterile ClickSure Tips, 960 tips racked
235544	50 µL, sterile, filtered ClickSure Tips, 960 tips racked
235539	1 mL, non-sterile ClickSure Tips, 960 tips racked
235545	1 mL, non-sterile ClickSure Tips, 960 bulk
235538	1 mL, sterile ClickSure Tips, 960 tips racked
235546	1 mL, sterile, filtered ClickSure Tips, 960 tips racked
61500-04	Printer Kit

The Microlab 300 Series Pipettor comes with a Disposable Tip Hand Probe, Controller, Syringe Drive Unit, Cable Management System, valve, fill tubing, country-specific power cord, power supply, and 25 µL and 1.25 mL Hamilton Microlab 300 syringes.

Printer Kit

The Printer Kit is an accessory item that satisfies regulatory hard-copy requirements by printing log files directly from the device.

- ▶ Conveniently print log files from the Controller with the touch of a button
- ▶ Satisfies requirements for closed-circle reporting direct from the device
- ▶ Includes printer, power source, adapter and cable
- ▶ Uses standard, non-thermal 8.5 x 11 inch and A4 paper suitable for archiving



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