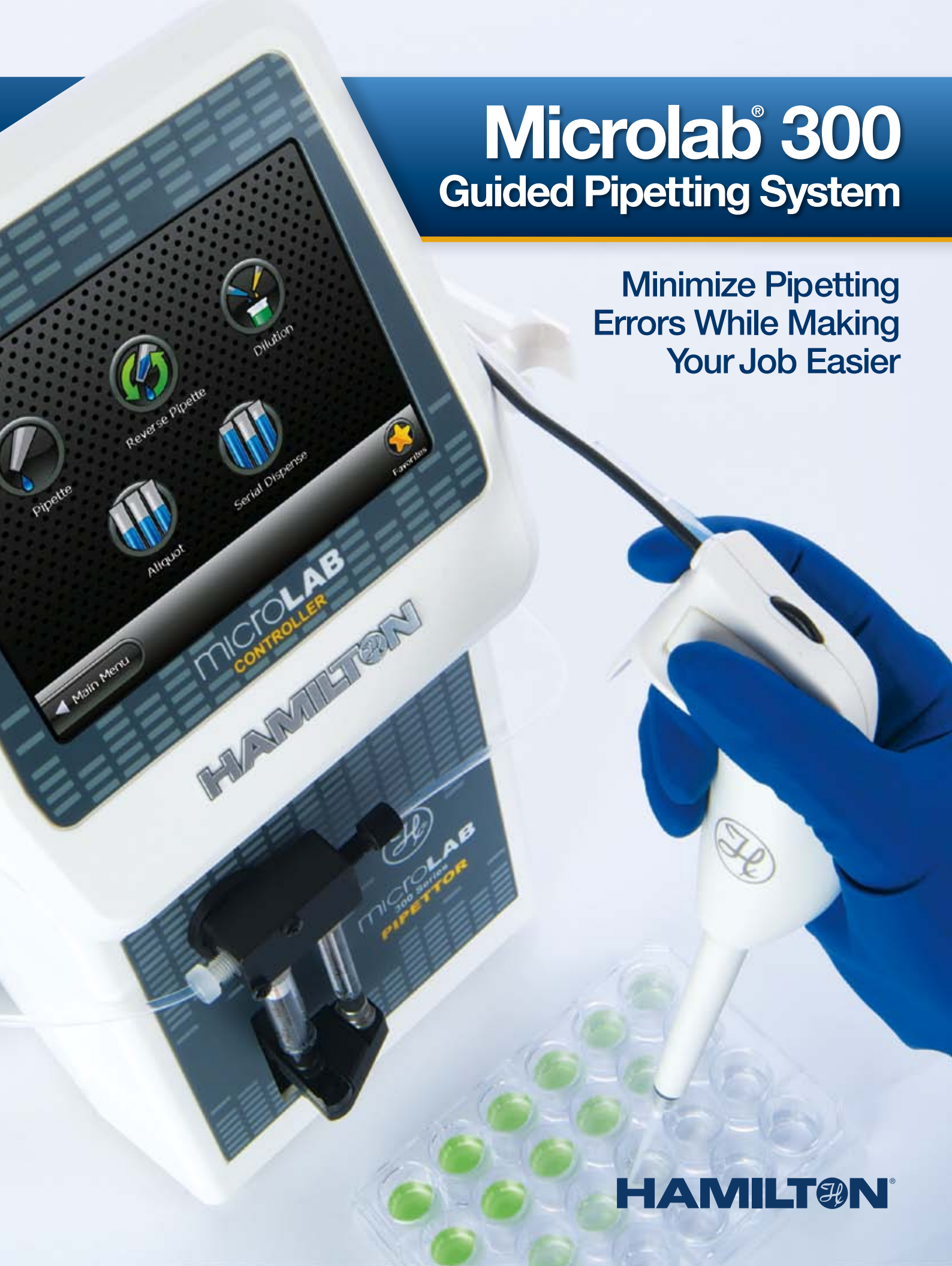


# Microlab<sup>®</sup> 300

## Guided Pipetting System

Minimize Pipetting  
Errors While Making  
Your Job Easier



**HAMILTON**

# Take Control of Your Pipetting

► **Guided Protocols**

Run-only methods reduce errors with on-screen instructions and automatic volume adjustment to guide the user.

► **User-Friendly Software**

Quickly create and run protocols with an intuitive touch screen interface.

► **Reduced Fatigue**

Minimize strain with the lightest pipette probe in the industry.

► **Improved Accuracy**

Automatically compensate for unique atmospheric and liquid properties.



### Cable Management System

### Innovative Software

An easy-to-use graphical interface uses animations to clearly indicate each pipetting step.

### Pipette Holder

### Accuracy from 0.5 $\mu$ L–1 mL

The intelligent syringe drive utilizes a large and small syringe to achieve accuracy and precision across a wide volume range.





# Understanding the Guided Pipetting System

The Microlab 300 ensures pipetting results with easy-to-use software that instructs users through controlled protocols. Obtain the performance of a fully automated liquid handling platform with the flexibility and affordability of a manually controlled process.

If you're still pipetting the old way, contact a Hamilton representative today and take control of your pipetting.

## **Favorites Selection**

Quickly access favorite dispense volumes using the probe scroll wheel.

**Left or Right Handed Design**

**Lightweight Hand Probe**

**Spring-Assisted Tip Ejection**

**ClickSure™ Tips**



# Pipette Wizards

User-directed pipette Wizards provide flexibility while maintaining pipetting integrity with digital volume and speed adjustment. Commonly used volume settings are saved as Favorites and recalled at the touch of a button. Pipetting operations include:



Pipette



Mix



Serial  
Dispense



Reverse  
Pipette



Aliquot

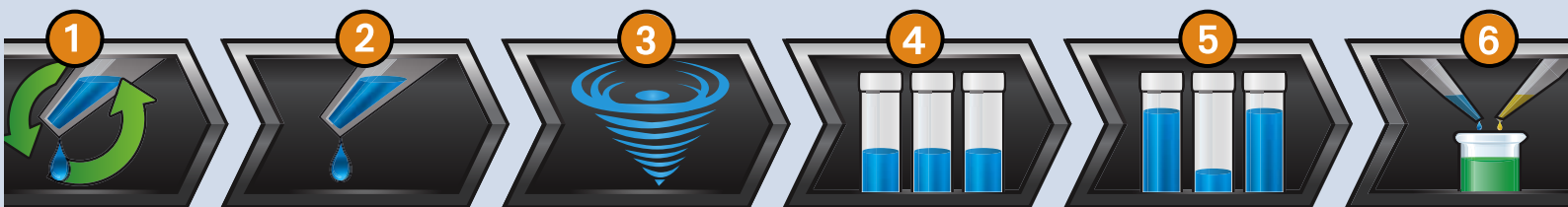


Dilution

## Linked Methods

Use Linked Methods to program a series of pipetting operations into a guided electronic protocol. Technicians run these protocols and on screen instructions guide them through each pipetting task, thus increasing productivity and reproducibility while minimizing pipetting errors.

### Steps:



### On-Screen Instructions

Graphical animations guide the user through each pipetting task. Instructional text prompts can be added to provide the technician additional guidance at each step.



### System Security

Create user accounts and set access rights for each user. Assign technicians run-only rights to ensure that once a method is established it cannot be accidentally modified without approval.



### Method Logging

Enable method logging to create auditable records of all pipetting activities. Electronically sign 21 CFR Part 11-compliant log files or print hard copies directly from the controller to provide traceability of the operator, time of day, pipetting actions, last calibration date, etc.

## Microlab 300 Series Pipettor Ordering Information

Part Number	Description
67100-01	Microlab 300 Series Pipettor ships complete with a Disposable Tip Hand Probe, Syringe Drive and Controller, and Cable Management System.
61500-04	Printer Kit (optional)

## Accuracy and Precision



Dispense Volume (µL)	0.5	1.0	5.0	10	25	50	100	250	500	1000
Accuracy (±%)	7.00%	4.00%	1.50%	1.00%	0.85%	0.80%	0.80%	0.75%	0.75%	0.40%
Precision (+%)	8.00%	4.00%	1.00%	0.90%	0.60%	0.50%	0.80%	0.75%	0.35%	0.15%

The data for accuracy and precision applies to Hamilton ClickSure pipette tips.

## ClickSure Tips

**Less force, more comfort.** Hamilton's competitively priced ClickSure tips are validated to provide superior accuracy and precision. The unique design requires low force to load and eject tips, enabling long-term use with minimal hand strain. The environmentally friendly packaging is recyclable for eco-conscious labs.

## ClickSure Tips Ordering Information

Description	Part Number
	
50 µL, non-sterile ClickSure tips, 960 tips racked	235537
50 µL, non-sterile ClickSure tips, 960 bulk	235543
50 µL, sterile ClickSure tips, 960 tips racked	235536
50 µL, sterile, filtered ClickSure tips, 960 tips racked	235544
	
1 mL, non-sterile ClickSure tips, 960 tips racked	235539
1 mL, non-sterile ClickSure tips, 960 bulk	235545
1 mL, sterile ClickSure tips, 960 tips racked	235538
1 mL, sterile, filtered ClickSure tips, 960 tips racked	235546

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