

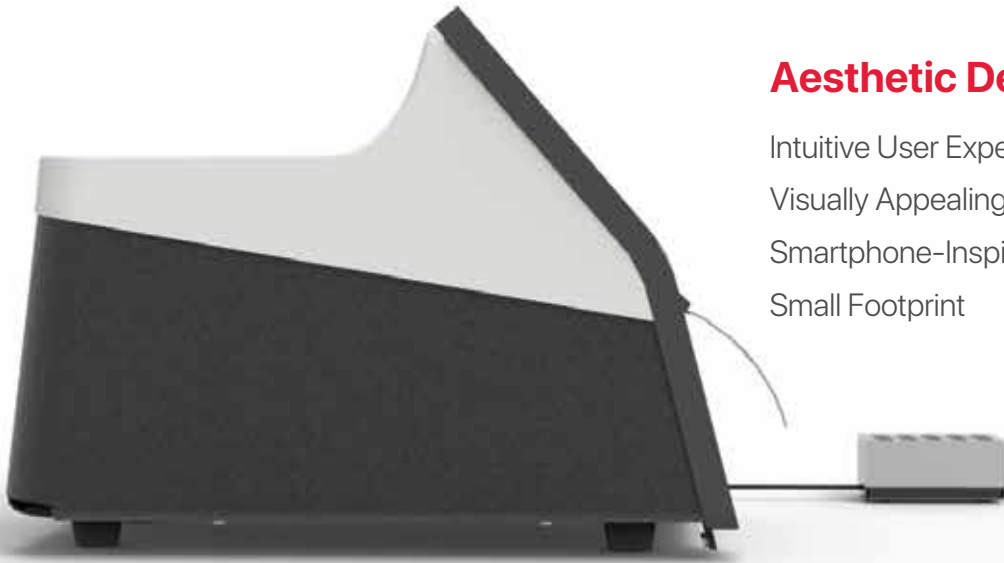
ARIS 100

Semi - Automated
Clinical Chemistry Analyzer

Seamless Workflow
Unmatched Precision



The Best-in-Class Semi-Auto Analyzer



Aesthetic Design

- Intuitive User Experience
- Visually Appealing
- Smartphone-Inspired User Interface
- Small Footprint



Performance

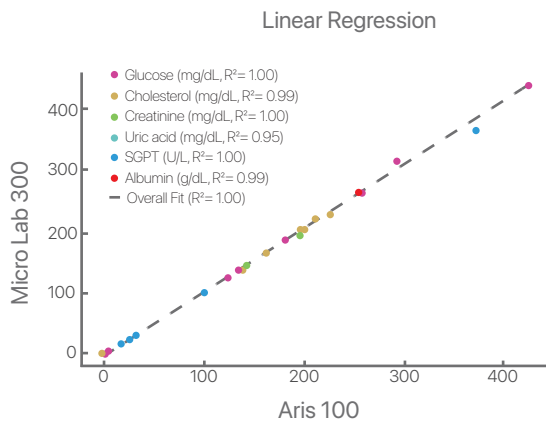
- Unmatched Precision ($< 1\%$)
- High Repeatability
- Low Carry-Over ($< 1\%$)
- Accuracy (99%)

Innovation at its Core

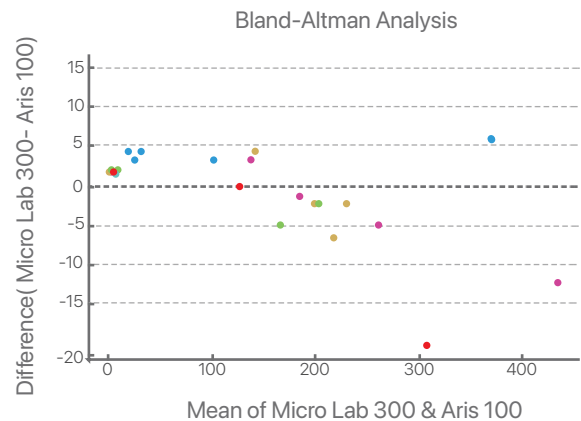
- Maintenance-Free Optical System
- High Quality Filters Ensure Extended Lifespan
- Accurate Temperature Control ($\pm 0.1\text{ }^{\circ}\text{C}$)
- Customized High-Precision Fluidic System

Setting a New Standard in Clinical Chemistry Analysis

Field Performance Validation



Demonstrates exceptional correlation across multiple biochemistry tests.



A comprehensive comparison between Micro Lab 300 and Aris 100, showing minimal bias, strong agreement across different tests and high measurement accuracy.

Exclusive Features Not Offered Elsewhere



Multiple User Logins & Activity Tracking



Built-in Digital Timers for Incubation



Mandatory Wash Between Tests



Lamp Life Monitoring & Replacement Alert



Auto-Sleep Function
User-Enabled Lamp Replacement



Hyper-Active Sample Warning
Smart Dilution Recommendation



New Factor Confirmation for Calibration



Editable Standards & Absorbance



User-Controlled Calibrations/
Control Approval



Integrated LJ Plot & Westgard Rules for QC



Discover the **ARIS 100**

Technical Specifications

Photometric System

Photometric Range	: -0.2 to 3.0 A
Wavelengths	: 6 Standard Filters 340, 405, 505, 546, 578, and 630 nm (2 optional positions)
Bandwidth	: ± 5 nm
Light Source	: 12 V/20 W Halogen Lamp with auto sleep function
Lamp Maintenance	: User-enabled Lamp replacement

Temperature Control

Flowcell System	: Peltier-based system with RT, 25 °C, 30 °C, and 37 °C
Dry Incubator	: Maintain 37 °C with 14 positions (Optional)
Temperature Accuracy	: ± 0.1 °C

Calibration Methods

- Factor
- Automatic 1- Point Standard
- Automatic 2- Point Standard
- Automatic Linear Regression (up to 6 Standard)
- Automatic Point-to-Point (up to 6 Standard)
- Automatic Multi-Calibration (up to 6 Standard)
- 4PL and Non-Linear Regression (e.g. Cubic Spline)

User Interface & Storage

Display	: 7" Capacitive TFT Touch Display
Printer	: Built-in 58 mm Thermal Printer
Storage	: 100,000 Patients results, Unlimited QC levels & calibration history

Flowcell

Flow-cell Volume	: 32 μ L (10 mm path length)
Reaction Volume	: 400 μ L (Recommended)

Fluidic System

Sipper Volume	: 300-5000 μ L
Sipper Indicator	: Aspiration Indicator Light
Purge Function	: Air Purge between Tests to Prevent Carry-over

Method Options

- Absorbance, Endpoint, Kinetics, and Fixed-Time
- Sample Blank Option Available
- Options to Perform Test with or without a Reagent Blank
- Mono-Chromatic and Bi-chromatic

Quality Control

QC Level	: Multi-Level QC per test
Plot Option	: Levey-Jennings (LJ) control plot
Error Detection	: Westgard rules-based High/Low flagging

User Programming

Test capacity	: Up to 200 user defined Tests
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Device Specification

Power	: 100~240VAC, 50-60Hz, 120W
Weight	: 5 kg
Dimension	: 340 mm (L) x 270 mm (W) x 160 mm (H)
Operational Condition	: Temperature 0°C to 40°C, Humidity up to 80%