

NEW

Lisa M

Compact ELISA work station
with Advanced LED technology



**Accurate
Results**

Achieve highest
accuracy first time,
every time



Flexibility

Modular function,
direct loading of
kit reagent vials



Efficiency

Simple maintenance,
No hidden cost

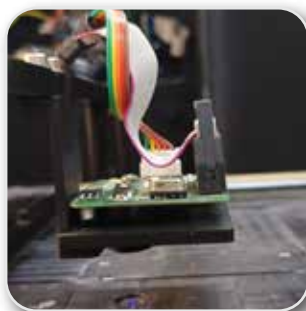
Making Automation Affordable
for labs Everywhere

Five Dedicated Functional Modules for Complete ELISA Workflow Automation



Inbuilt Reagent Dispensing System

Features four dedicated dispensing channels with independent precision pumps reagent



Absorbance reader

LED-based microplate absorbance reader with a dynamic range of upto 4.0 OD



Inbuilt Shaker

Integrated orbital and reciprocal shaker delivers effective plate shaking within 50–1200 RPM range,



Inbuilt Incubator

Consistent and evenly distributed heating



High performance Washer module

Washer module with 8-channel manifold and sweep mode

An elegant, intuitive interface designed to make every operation effortless and smooth

Easily create and edit assays with user-friendly tools.

Set up to 5 validity criteria based on the manufacturer's insert with just a few clicks.

Define and save custom plate maps for consistent, repeatable workflows.

Export results seamlessly to PDF or Excel formats for easy data sharing and analysis



Lisa M

Compact and integrated ELISA work station

Lisa M is a compact, fully integrated ELISA workstation engineered for low-to medium-throughput laboratories. It is designed to optimize assay accuracy, reproducibility, and consistency in immunodiagnostic applications.



- **Compact footprint** conserves valuable bench space in the laboratory.
- **Fully integrated system** automates processing of sample-loaded microplates.
- **Minimal manual intervention** for streamlined, hands-free operation.
- **Reduces assay drift** for improved reliability and reproducibility with high speed of reagent dispensing
- **Advanced inbuilt incubator supports** ambient to 55°C, delivering uniform, consistent heating for enhanced assay accuracy.
- **Four independent reagents dispensing channels** ensure maximum precision.
- **Integrated orbital shaker** with adjustable speed from 50 to 600 RPM and reciprocal shaker with speed 50 to 1200 RPM for consistent and effective mixing.
- **High-efficiency washer module** with versatile operating modes to suit diverse assay requirements.
- **High-performance LED Photometer** with a dynamic range of 0–4.0 OD for accurate, high-sensitivity readings.
- **No consumables required – no hidden costs**, ensuring cost-effective operation over time.

Technical Specification

General Specification	
Sample Format	1 x 96 well microplate (ANSI SLAS)
Dimensions (H x W x D)(mm)	560 x 455 x 390
Weight	25 Kg
Printer	Inbuilt Thermal printer & External EPSON LX300 supporting ESC / POS Protocol
LIS Connectivity	Unidirectional Proprietary protocol*
Power Requirements	150 Watts
Operating Temperature	10–35° C; 50–95° F
Humidity	40 to 80 % (non-condensing)
Incubator	
Temperature Range	Ambient +4°C to 55°C (1 degree increment)
Temperature Stability	± 1° C across plate at 37° C
Incubation Time	Programmable (1 - 999 minutes)
Temperature Monitoring	Yes (RT as well as Incubator temperature)
Reader	
Dynamic Range	0 – 4.0 OD @450 nm
Light Source	LED
Spectral Range	400–750 nm
Filter Slots	10 Slots
Pre-installed filters: Standard	405, 450, 492, 620 nm
ELISA Reader	Single photometric channel
Precision	0.0 to 3.5 OD ≤ 1%
Accuracy	@450nm 0.0 to 3.5 OD ≤ 1%
Linearity	@450nm Up to 3.5 OD
Drift @450 nm (in 12 Hours)	< 0.001 OD
Resolution	0.001 & 0.0001 (User selectable)
Dispenser	
Type	4 independent precision pumps
Volume Range	20 - 200 µl
Precision	< 3 % at 100 µl
Accuracy	< 5 % at 100 µl
Standard Pipetting time 96 well plate	2 minutes @100 µl
Reagent Support	Any bottle or vial type can be attached (Universal)
Washer	
Manifold Configuration	Autoclavable 8 way manifold with 2 parallel needles
Dispense Volume	100–500 µl, in step of 1 µl
Wash Modes	Standard, overflow, soak, sweep
Residual Volume	< 5 µl
Soak Time	0 to 250 seconds
Wash Buffer Capacity	2 L
Waste Buffer Capacity	2 L
Shaker	
Shaking duration	0 - 999 seconds
Shaking Speed	RPM Orbital: 50 - 600 / RPM Reciprocal: 100 - 1200

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