

Lisa XL

Fully Automated 6 Plate ELISA Processor



The Power to Test More

Designed by Erba Europe

Advanced automation for infinite possibilities



A product with European Quality

Lisa XL is an advanced fully automated, microplate processor designed to analyze all types of ELISA panels. A complete walk-away system, it can perform multiple assays per plate, thereby maximizing the efficiency of ELISA processing.



XLerates performance



Dual probes for fast processing

- Two Teflon coated steel probes with powerful robotic engineering allows simultaneous and sequential dispensing of samples into 16 wells/plate in less than 14 minutes and reagents dispensing in <5 min for 96 test plate.



High throughput with six plates

- 6 plates x 96 wells result in high throughput of 576 wells



Removable reagent rack for quick set-up

- A removable reagent rack can be loaded just once, and reused in subsequent runs for the same assays, thus reducing set-up time

XLarge Loading



High volume testing with on-board flexibility

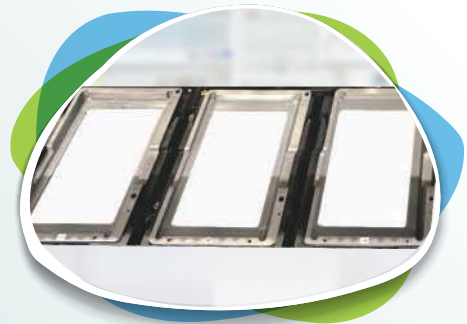
- Only analyzer in India which processes serum and whole blood simultaneously
- In one run, 20 racks of 16 samples or reagents can be loaded interchangeably, for high volume testing

XLellent Results



Greater reliability with disposable tips

- High quality disposable tips for samples and reagents avoid carryover and ensures accurate results



Optimum incubation and mixing

- The only microplate processor in India to offer 6 dedicated temperature controlled incubators along with orbital shaking at variable speeds (200 – 800 rpm)



Super Sweep Mode for superior washing

- A 16 channel automatic well washer rapidly performs strip wise/ plate wise wash cycles
- Multi-point aspiration ensures superior washing with minimal residual volume (<5 µl)



Dedicated liquid area minimizes interference

- A separate built-in compartment for DI water container and wash buffer bottles ensures there is no spillage

A processor for multiple samples and assays with the promise of quality, flexibility and reliability

Walk-away ELISA processor with single and dual wavelength reading

Capable of performing up to 576 wells

On-board flexibility with interchangeable racks for samples and reagents

Dual probes with high quality disposable tips ensure speed and reliability



Sophisticated robotic engineering for liquid-level sensing and precise pipetting

Easy-to-use, touch screen, graphic interface

Optimum incubation and mixing for greater accuracy

Super sweep mode for superior washing

Work Plane Monitoring

Wide range Erba Lisa® Brands of ELISA Markers

Allergy

- IgE

Bone Metabolism

- 25 (OH) Vitamin D
- PTH

Fertility

- FSH
- LH
- hCG
- Prolactin

Diabetes

- C-Peptide
- Insulin

Thyroid

- Triiodothyronine (T3)
- Thyroxine (T4)
- TSH
- Free (FT3)
- Free (FT4)

Autoimmune Disorders

- ANA Screen IgG
- dsDNA IgG
- Cardiolipin Total Ab
- SSA IgG
- SSB IgG
- Throglobulin Ab (TG)
- Thyroid Peroxide (TPO) IgG

Dengue

- NS1 Ag
- IgM μ -Capture
- IgG Capture

Infectious Disease

- CMV IgG
- CMV IgM
- HSV-1 IgG
- HSV-1 IgM
- HSV-2 IgG
- HSV-2 IgM
- Measles IgG
- Measles IgM
- Mumps IgG
- Mumps IgM
- Rubella IgG
- Rubella IgM
- Toxoplasma IgG
- Toxoplasma IgM

Anemia

- Ferritin
- Vitamin B-12
- Folate

Blood Transfusion*

- HIV Gen4
- HBsAg
- HCV Gen3 (v2)
- Malaria PAN (LDH)
- Syphilis

Cancer

- Free PSA
- PSA
- AFP
- CA 15-3
- CA 19-9
- CA-125
- CEA

Inflammatory

- C-Reactive Protein

Steroid

- DHEA-S
- Estradiol
- Progesterone
- Testosterone

Technical Specification

Physical Specifications

Dimensions
L x H x W 1375 x 845 x 850 mm
Weight 195 kgs (Approx)

Power Supply

Voltage 100 - 240 Volts
Frequency 50 / 60Hz
Power consumption 700 W

General Specifications

Open System Yes
Assay per plate Up to 12
No. of ELISA plates Up to 6
Sample capacity Up to 272
Sample / Total 20 racks
Reagent capacity Single rack holds 16 sample / reagent tubes, Double rack holds 6 x 60 ml reagent bottles (can be used interchangeably)
Tip / Dilution box Total 11 locations of 96 capacity each (can be used interchangeably)

Reader Specifications

Reading Range 0.0 - 4.0 O.D.
Reading Channels 8
Filter wheel 8 Position filter wheel 405 nm, 450 nm, 492 nm, 620 nm std*
578 nm & 700 nm optional + 2 open
Light source Halogen Lamp
Reading mode Single, Dual, ORR
Reading time < 30 sec / plate (for single filter)
Linearity Up to 3.0 O.D (450 nm)

Washer Specifications

Manifold configuration 16 needles - 8 aspiration & 8 dispensing
Plate Type U, V, Flat
Precision < 5% at 300 l
Wash cycle Programmable
Residual volume < 5 µl / well
Soak time Programmable
D.I water container 1 x 2.25 L
Washer buffer capacity 6 x 2.25 L
Waste water container 1 x 20 L

Incubator Specifications

Number of incubators 6
Temperature range RT + 5 C up to 50 C
Temperature stability ± 1 C
Incubation time Programmable
Time to set temperature < 6 min
Shaking 200 to 800 RPM,
Shaking Method Orbital

Pipetting Specifications

Number of probes 2
Tips 300 µl / 1100 µl
Auto / Manual selected
Multi-dispensing (Reagent) Yes
Minimum volume 4 µl
Sample dispensing time < 14 min / plate
Reagent dispensing time < 5 min / plate
Sample mixing Yes (Automatic)
Sample & Reagent Sample Dispensing with 300 l tip: 3%, Reagent Dispensing with 300 l tip: 3% for 25 l
Precision Reagent Dispensing with 1ml tip: 5% for 75 l & above

Process Security

Liquid level sensing Yes
Clot detection Yes
Onboard sample identification Yes
Sample Dilution Yes
Onboard reagent identification Yes
Strip verification Yes
Buffer sensing Yes
Well fill verification Yes
Alarms Yes

Software

Operating System Windows 10 (Embedded)
LIS interface Bi-directional, Serial / TCP/IP
USB Port Yes
Graphic load interface Yes
Graphical work list Yes
Data processing Quantitative, Semi-Quantitative & Qualitative
Multi password access Yes
Ability to archive data Yes
Computer Intel Core i3, 4 GB RAM, 1 TB hard disk, Monitor 22", Full HD touch screen

* Specifications are subject to change without prior notice.

Transasia - Erba Group

Global Footprint



India Advantage

NO.1 IVD COMPANY IN INDIA

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