

## Erba LisaScan<sup>®</sup> EM

### Automated Microplate ELISA Reader

- 100 user programmable tests.
- Self-Auto-Check on Start-UP
- Built-in Shaker with 3 variable mixing
- 5000 sample reports can be viewed/printed & stored.
- Inbuilt thermal printer for reports and graphs
- Compatible to various plate geometrics-96 well microplates ( Flat, U & V bottom)
- Single, dual & multi-wavelength with 8 channel optical measuring system
- Reading time 8 seconds for single wavelength using 8-channel optics
- Wavelength Range:400 to 800 nm with 405 nm, 450 nm, 492 nm & 630 nm. (Two optional filters 578 nm & 700 nm)
- Dynamic Photometric range - 0.0 to 4.0 O.D
- User friendly inbuilt operation software
- User interface: LCD display with 20 membrane panel keys
- PC Link software "Eli-Lims"(optional)
- External printer connectivity port



## Erba LisaWash<sup>®</sup> - II

### Automated Microplate Washer

#### Versatile

- Fully automatic- Washes flat , U or V-bottom strips & plates
- One additional wash buffer bottle
- Standard aerosol protection cover

#### Convenient

- Easy windows operating system with large LCD display
- Choice of 1 Wash buffer, 1 Rinse/DI & 1 Waste bottle with sensor
- No special airtight bottle required

#### Customizable

- Easy, removable 8-way manifold and 12-way optional, automatic and manual positioning
- Washing volume 50 µl to 3000 µl, pressure and time adjustable
- Separate needles for aspiration and dispensing, ≤3 µl residual volume



## ELAN 30s

### Fully Automated Microstrip ELISA Processor



- Compact Bench Top model for ELISA work flow management
- Six different tests can be performed at a time
- Auto self-check mode, liquid level detection & dispense monitoring
- User-friendly software guided ELISA process
- Single probe for dispensing samples and reagents (tips optional)
- Inbuilt ambient temperature enclosed incubator & shaker
- Automated well-washing performed at customized volumes & cycles
- Built-in ELISA reader: Single & dual wavelength reading option for complete automated ELISA processing
- 30 x 8 microwell locations- 2 ½ ELISA microwell plate
- 16 manifold washer 8 dedicated needles for aspiration and 8 for dispensing to avoid cross-contamination (3 Wash Buffer Options)
- QC reports generated using L-J chart/ CV evolution/ OD evolution/ Conc. evolution
- 58 Sample locations (Sample + Pre-dilute) Ideal for 35 samples for optimum results
- Optional locations for reagents 41 to 58 in 5ml tubes
- 24 Reagent locations for 20ml vials- Option for common reagent position
- 30 Calibrator / Control locations
- Bio-hazardous waste disposable unit
- Online operational software for viewing and printing results: batch-wise and strip-wise

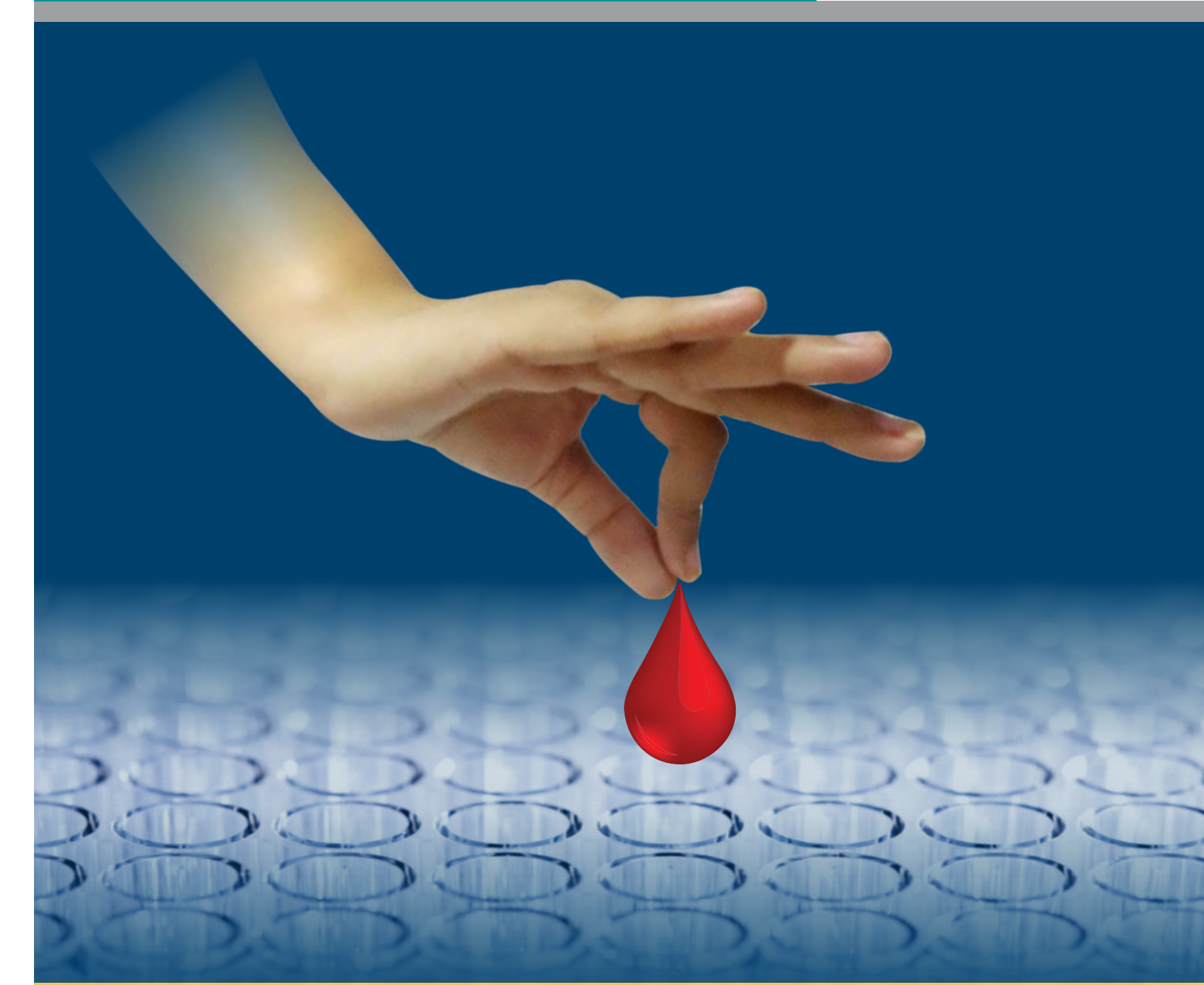
## Mago 4

### Fully Automated 4 Plate ELISA Processor

- MAGO<sup>®</sup> 4 a true walk away system-Compact bench top model to perform all steps of ELISA
- Ability to perform multiple assays in a batch
- Single Teflon-steel needle probe for dispensing samples and reagents
- Continuous probe cleaned internally and externally with probe cleaning solution
- Multi-shot dispensing, automated volume control during processing
- Inbuilt independent incubation system for each plate
- Automated ELISA well-washing is performed at customized volumes and cycles.
- Washing manifold with dedicated 16 probes, longer 8 for aspiration and shorter 8 for dispense to avoid carry over and cross-contamination
- Integrated micro plate ELISA reader – Single & dual wavelength reading
- QC reports-Levey-Jennings chart and Westgard's rules programs on board
- Easy to use - advanced graphic user interface with color coding process in each step of ELISA
- Multitasking software platform
- Installation base globally- Proven instrument technology from decades
- Open system adaptable for all ELISA parameters
- Test profile: Infectious ELISA HIV, HBsAg, HCV, TORCH, Autoimmune disease, Hepatitis markers, Malaria, Syphilis, Dengue, Leptospira etc.
- CE marked instrument



## Complete Solution for Blood Bank Serology



Safe Blood



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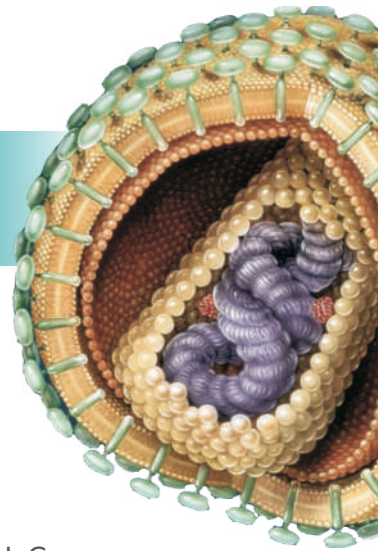
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## Detection of HIV Antigen and/or Antibodies



### Erba Lisa® HIV Gen4

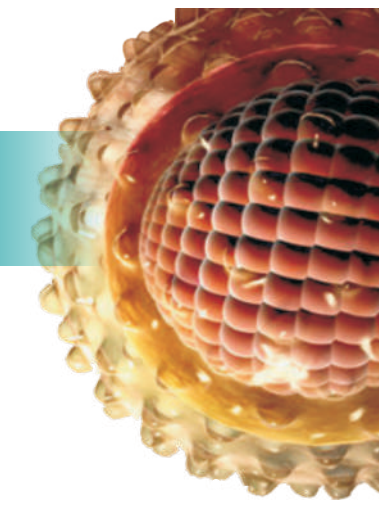
- 4<sup>th</sup> Generation Assay
- Detection of p24 antigen & antibodies against HIV 1&2 in human serum/plasma
- Window period of only 2 weeks
- Use of purified Recombinant antigens gp41, gp120 & gp36 for detection of IgM & IgG antibodies, Monoclonal antibodies for detection of p24 antigen
- Ready-to-use reagents
- Assay time of 120 mins (60+30+30)
- 100% sensitivity & > 99% specificity
- Analytical sensitivity 8 IU/ml for p24 antigen (NIBSC 90/636) - International reference panel
- Separate positive controls for antigen & antibody
- No blanking required
- Adaptable on fully automated ELISA processor
- Shelf life of 18 months at 2-8° C

Performance Study		
Sample	Erba Lisa HIV Gen4	Panel
Anti-HIV-1 Subtype A	Positive	1 <sup>st</sup> International Reference Panel (02/210 HIV)
Anti-HIV-1 Subtype B	Positive	
Anti-HIV-1 Subtype C	Positive	
Anti-HIV-1 Subtype CRF01_AE	Positive	
Anti-HIV-2	Positive	
HIV-2 (Antibody) Monitor Sample	Positive	NIBSC 99/674

### Erba Lisa® HIV Gen3

- 3<sup>rd</sup> Generation Assay
- Detection of total HIV 1+2 (IgM, IgA, IgG) antibodies in human serum/plasma
- Use of Recombinant HIV 1& 2 antigens
- Based on Sandwich method
- Ready-to-use reagents
- Assay time of 120 mins (60+30+30)
- 100% sensitivity & > 99% specificity
- No blanking required
- Adaptable on fully automated ELISA processor
- Shelf life of 18 months at 2-8° C

## Detection of HBsAg



### Erba Lisa® PICO HBsAg

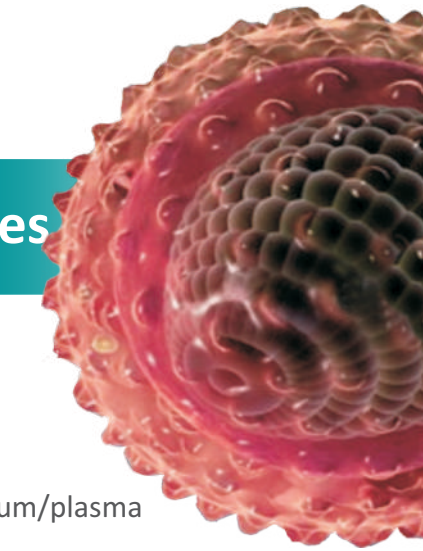
- 4<sup>th</sup> Generation Assay
- Detection of all 11 subtypes & mutant strains of HBsAg in human serum/plasma, with the use of polyclonal antibodies
- Microwells coated with polyclonal antibody against HBsAg to maximize specificity
- Use of monoclonal antibody in conjugate, to increase sensitivity
- Ready-to-use reagents
- Shortest assay time of 75 mins (60+15)
- 100% sensitivity & 99% specificity
- Analytical sensitivity < 50 picogram/ml
- Shelf life of 12 months at 2-8° C

### Erba Lisa® SEN HBsAg

- 3<sup>rd</sup> Generation Assay
- Detection of all 11 subtypes & mutant strains of HBsAg in human serum/plasma
- Microwells coated with polyclonal antibody against HBsAg to maximize specificity
- Use of monoclonal antibody in conjugate, to increase sensitivity
- Ready-to-use reagents
- Shortest assay time of 75 mins (60+15)
- 100% sensitivity & 100% specificity
- Analytical sensitivity 0.1 nanogram/ml
- Adaptable on fully automated ELISA processor
- Shelf life of 12 months at 2-8° C



## Detection of HCV Antigen and/or Antibodies



### Erba Lisa® HCV Gen4 Ag+Ab

- 4<sup>th</sup> Generation Assay
- Detection of HCV Core antigen (HCVcAg) & anti-HCV antibodies in human serum/plasma
- Window period reduced to less than 28 days
- Use of Monoclonal antibodies to HCVcAg and mixture of Recombinant HCV antigens – Core, NS3, NS4 & NS5
- Assay Time of 120 mins (60+30+30)
- Ready to use reagents
- 100% sensitivity and 99.9% specificity
- Adaptable on fully automated ELISA processor
- Shelf-life of 18 months at 2-8°C
- 1<sup>st</sup> Indian fourth generation HCV ELISA approved by NIB

### Erba Lisa® HCV Gen3 (v2)

- Improved 3<sup>rd</sup> Generation Assay
- Detection of antibodies against all 6 major genotypes and known mutant strains of Hepatitis C Virus in human serum/plasma
- Use of purified Recombinant HCV antigens: Core, NS3, NS4 & NS5
- Ready-to-use reagents
- Assay time of 90 mins (45+30+15)
- 100% sensitivity & 100% specificity
- Adaptable on fully automated ELISA processor
- Shelf life of 18 months at 2-8° C

ErbaLisa HIV, HBsAg, HCV and Syphilis ELISA kits are...



## Advanced screening of Syphilis



### Erba Lisa® Syphilis

- Detection of total antibodies (IgM, IgA, IgG) against *Treponema pallidum* in human serum/plasma with use of mixture of Recombinant Treponemal Antigens
- Based on Sandwich method
- Ready-to-use reagents
- Assay time of 105 mins (60+30+15)
- 100% sensitivity & 100% specificity
- Adaptable on fully automated ELISA processor
- Shelf life of 18 months at 2-8° C
- 1<sup>st</sup> kit in India to be approved by NIB

## Advanced screening of Malaria



### Erba Lisa® PAN (LDH) MALARIA

- Detection of LDH antigen of four Plasmodium species in human whole blood - *P.falciparum*, *P.vivax*, *P.ovale* and *P.malariae*
- Use of monoclonal antibodies against pLDH antigen
- Useful to monitor the infection development after drug therapy
- Based on Sandwich method
- Ready-to-use reagents
- Assay time of 90 mins (45+30+15)
- 100% sensitivity & 100% specificity
- Adaptable on fully automated ELISA processor
- Shelf life of 15 months at 2-8° C

## Blood Banking ELISA

Product Code	Parameter	Pack size
131551	ErbaLisa® HIV Gen3	96T
131501	ErbaLisa® HIV Gen4	96T, 192T
130132	ErbaLisa® SEN HBsAg	96T, 192T
130204	ErbaLisa® PICO HBsAg	96T
131560	ErbaLisa® HCV Gen3 (v2)	96T, 192T
132243	ErbaLisa® HCV Gen4 Ag+Ab	96T
131388	ErbaLisa® Syphilis	96T, 192T
130768	ErbaLisa® PAN (LDH) Malaria	96T, 192T