

Erba LisaScan[®] EM

Automated Microplate ELISA Reader



Optional Computer Software



Expect More !



Erba LisaScan[®] EM

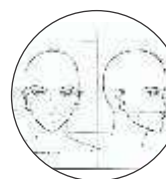
Automated Microplate ELISA Reader



Minimum reading time 8 seconds for single wavelength



4 Filter Models : 405 nm, 450 nm, 492 nm & 630 nm
6 Filter Models : 405 nm, 450 nm, 492 nm, 630 nm 578 nm & 700 nm
(Microbiology application will run on only 6 filters model.)



Auto self - check on start-up



User friendly inbuilt operation software - LCD display /
Printouts of results on internal External printer in linear/
matrix mode, including multi-standard curves



PC Link software "Eli-LIMS" is optional, for Elisa based programming

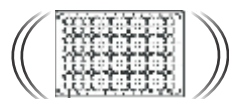
Erba LisaScan[®] EM is a versatile automated Microplate Elisa Reader

It can perform various ELISA tests with elaborate reports and graphs - inbuilt thermal printer

Salient Features

100
Tests

100 User programable test



Built-in Shaker with 3 variable mixing

UV

Compatible to various plate geometrics of 96 well microplates
(Flat, U, and V – bottom) and in 8 or 12 well formats.



Single , Dual and Multi-wavelength* reading option

Elisa

Infectious Diseases
HIV
HBV
HCV
ToRCH range
Dengue
Leptospira
Syphilis

Thyroid Panel
Hormones
Autoimmune Diseases
Fertility (LH/FSH/Prolactin etc.)
Malaria ELISA
Many more...

PC link identification software enables reading of **MIKRO TEST** kits designed for identification of different bacterial groups:
Enterobacteriaceae: ENTEROtest 24 N, ENTEROtest 16, ENTERO-Rapid
Non-fermenting bacteria and *Vibrionaceae*: NEFERMtest 24
Staphylococci: STAPHYtest 24, STAPHYtest 16
Streptococci: STREPTOtest 24, STREPTOtest 16
Yeasts: CANDIDAtest 21

Microbiology

TECHNICAL SPECIFICATIONS

System type	Open System	Measurement Time	NORMAL : 16 Seconds single wavelength SPEED : 8 Seconds single wavelength
Plate types	96 well plates		
Wells Type	U, V and Flat bottom wells	Display	High resolution Graphics LCD 320 x 240 pixels
Operating Modes	Absorbance Quantitative Qualitative Semi-Quantitative Kinetic Mode	Keyboard	Sturdy waterproof & membrane panel
Measurement Modes	Continuous / Step	PC Communication	Serial RS232 / USB
Shaking Modes	Three Linear Speeds - Low, Medium and Fast Time duration can be set	Built-in Thermal Printer	High resolution, 384 dots per line, thermal type with full graphics facility, and option for connecting External Parallel Printer
Wavelength Selection	Monochromatic, Bi-Chromatic, Multi-Chromatic* (Maximum 4)	Computer interfacing Software	Windows Based Software Eli-LIMS with data management (Optional) PC link identification software enables reading of Microbiology kits
Calculation Modes	Non-linear Standard Cut-off Index Formula Column Subtraction Linear Regression Point to Point Cubic Spline Linear – Log	Reports on internal and external printers	Alphanumeric patient ID based linear and matrix reports with OD, Conc, Cut off interpretation etc. Calibration graphs printed. 5000 sample test results storage Sample's can be viewed /printed
Blank Options	Blank, Control, Assay Validation equations Against Air, Well, Plate, Column, Column-mean, Row, Row mean.	Online Help	At each step on-line help in each menu. Beeps and online instructions on erroneous entry. Special HELP key on keypad.
Number of programmable standards / calibrators	Up to 10 standards /test Storage/ display/ printing of multi standard curves and cut-off equations for all parameters.	Operating Temperature	20 to 40°C
		Storage Temperature	10 to 50°C
		Humidity	Max. 80% RH, non- condensing
Test Programs	100 totally "open" Test Programs	Power Supply	18V / 5A using external auto ranging SMPS adapter 115/ 230VAC ±10%, 50/ 60Hz.
Photometer	<i>Measuring system</i> : 8-Channel optical system <i>Lamp Source</i> : Tungsten Halogen with Lamp saver function <i>Wave length Range</i> : 400 to 800 nm <i>Standard Filters</i> : 405 nm, 450 nm, 492 nm, 630 nm (10 nm Band Pass) (Optional two filters 578 nm, 700 nm) <i>Dynamic Range</i> : 0.0 ~4.0 OD <i>Photometric accuracy</i> : < 1% at 2.5 OD at 450 nm <i>Repeatability</i> : < 0.5% at 2.5 OD <i>Photometric resolution</i> : 0.001 OD <i>Linearity</i> : <1% at 2.5 OD at 450 nm	Dimension	502 X 369 X 216mm
		Weight	7Kg

Note: Above Specifications subject to change without prior notice

* Multi-Chromatic Application for microbiology requires filters: 405 nm, 578 nm, 630 nm, 700 nm



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