

SPECIFICATIONS

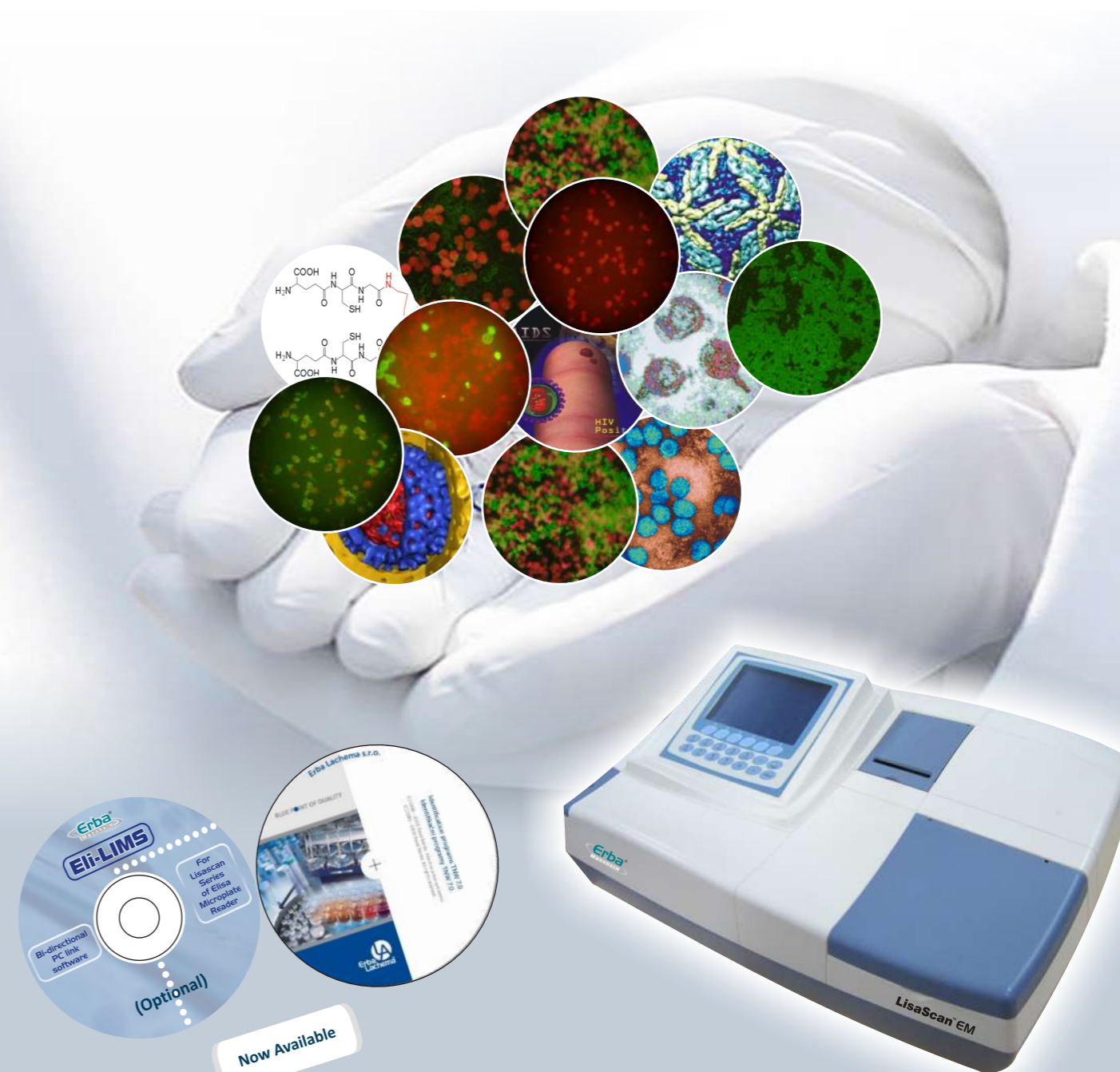
System type	Open System	Keyboard	Rugged waterproof & membrane panel
Plate types	96 well plates	PC Communication	Serial RS232 or USB 2.0
Wells Type	Flat, U and V Wells	Built-in Thermal Printer	High resolution, 384 dots per line, thermal Type with full graphics facility, and option for connecting External Parallel Printer.
Operating Modes	Absorbance Quantitative Qualitative Semi-Quantitative Kinetic Mode	Computer interfacing Software	Windows Based Software Eli-LIMS with data management (Optional) PC link identification software TNW enables reading of MIKROLATEST® kits
Measurement Modes	Continuous / Step	Reports on internal and external printers	Alphanumeric patient ID based linear and matrix reports with OD, Conc., Cut off interpretation etc. Calibration graphs printed. Report generation for last 480 Sample's is viewed /printed /stored. Lab name
Shaking Modes	Three Linear Speeds - Low, Medium and Fast	Online Help	At each step on-line help in each menu. Beeps and online instructions on erroneous entry. Special HELP key on keypad.
Wavelength Selection	Monochromatic, Bi-Chromatic, Multi-Chromatic*	Operating Temperature	20 to 40 Degree Celsius
Calculation Modes	-Non-linear Standard -Cut-off -Index Formula -Column Subtraction -Linear Regression -Point to Point -Cubic Spline -Linear – Log	Storage Temperature	10 to 50 Degree Celsius
Blank Options	Blank, Control, Assay Validation equations Against Air / Water, Well, Plate, Column, Column-mean, Row, Row Mean.	Humidity	Max. 80% RH, non-condensing.
Number of programmable standards / calibrators	Up to 10 standards Storage/ display/ printing of multi standard curves and cut-off equations for all parameters.	Power Supply	18V DC using External Auto ranging SMPS adapter 115/230VAC ±10%, 50/60Hz., Max. 100 Watt.
Test Programs	100 totally "open" Test Programs	Dimension	502 X 369 X 216mm
Photometer	- Optical system 8 measurement channels - Standard Four filters - 405 nm, 450 nm, 492 nm, 630 nm (Optional Two filters 578 nm and 700 nm) - Light Source: 13.8V/50W Quartz	Weight	7Kg
Halogen Lamp	- Photometric Resolution : 0.001 OD - Wavelength Range : 400 to 800 nm - Measurement Range : 400 to 800 nm (0 to 3.5 OD) - Accuracy : 0.0 ~ 2.0 OD/492 nm: better than ±3% ±0.06 OD 2.0 ~ 3.0 OD/492 nm: better than ±3% ± 0.09 OD - Linearity : 400 to 800 nm		
Measurement Time	NORMAL : 16 Seconds single wavelength SPEED : 8 Seconds single wavelength		
Display	High resolution Graphics LCD 320x240 pixels		

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

Erba LisaScan™ EM

Automated Microplate ELISA & Microbiology Reader

Expect More!



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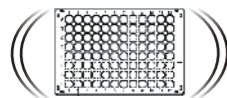
Erba LisaScan™ EM is a versatile automated Microplate Elisa & Microbiology Reader

- It can perform various ELISA tests with elaborate reports and printing of graphs
- It can also perform various applications for Microbiology using TNW software

Salient Features



100 Tests programs



Built-in Shaker with 3 speed variable mixing



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

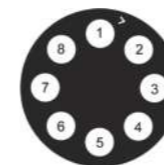


Single, Dual and Multi-wavelength* reading option

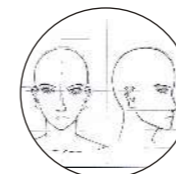
* Multi-wavelength for microbiology applications



Minimum reading time 8 s for single wavelength



Range : 405 nm, 450 nm, 492 nm and 630 nm
Optional filters 578 nm and 700 nm



Self Diagnostic capabilities



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



Identification software TNW enables reading of MIKROLATEST® kits

Wide range of Elisa Reagents

Thyroid Panel
Liver Panel
Gastroenteric Panel
Infectious Diseases
HIV
HBV
HCV
ToRCH range
EBV
Helicobacter
Many More...

Hormones
Tumour Markers (AFP/CEA/CA-125 etc.)
Diabetes (Insulin/GAD/C-Peptide etc.)
Steroidal (Cortisol/Testosterone/Estradiol etc.)
Fertility (LH/FSH/Prolactin etc.)
Thyroids (T3/T4/TSH/FT3/FT4 etc.)
Many More...

Application for microbiology

PC link identification software TNW enables reading of MIKROLATEST® 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