



Elisa Microplate Reader EMR4





Elisa Microplate Reader

EMR4



Elisa Microplate Reader is a specialized instrument designed for enzyme-linked immunosorbent assay. It utilizes a fixed wavelength filter system to measure the absorbance of light in microplates. It is used for scientific research applications that require accurate and reliable measurement of samples in 96-well plates. It provides a means to quantify substances through the analysis of color changes in ELISA tests.

SALIENT FEATURES

- ✦ 7" Colour Touchscreen HD Display
- ✦ Android-based Operating System
- ✦ Light Source halogen lamp
- ✦ Absorbance Range 0-4.000 Abs. Easy light source and filter replacement
- ✦ Filter Wheel 8 positions, 4 standard filters included, 340nm-750nm
- ✦ Standard filters - 4 (405nm, 450nm, 492nm, 630nm),(Optional up to 8 filter can be loaded)
- ✦ Calibration: Automatic calibration and positioning system
- ✦ Diagnostics: Self-check for optical path and mechanical motion
- ✦ Vibration Plate for Adjustable time and speed settings, Use visual Cloth plate output results
- ✦ Built-in software for instrument control and data analysis, USB connectivity

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HSN Code : 90275090

SPECIFICATIONS

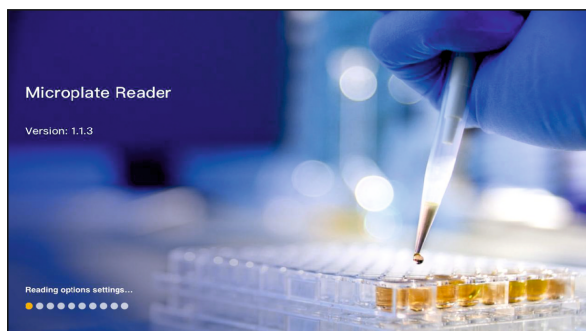
MODEL	EMR4
Make	LABMAN
Filter Option	8 filter wheel
Standard filters	4 (405nm, 450nm, 492nm, 630nm,(Optional up to 8 filter can be loaded)
Filter Bandwidth	8~10nm
Reading Range	0.000 - 4.000 Abs
Wavelength Range	340nm-750nm
Linear range (405nm)	0 to 3.0Abs, $\pm 1\%$, 3 to 4.0Abs, $\pm 2\%$
Accuracy (405nm) Abs	$\pm 1\%$ (0-3Abs), $+2\%$ (3-4Abs)
Accuracy (405nm) CV	CV 0.2% (0-3 abs), $CV \leq 1.0\%$ (3-4Abs) Standard measurement mode
Measuring Speed	<6Sec, 96-hole plate whole plate detection, fast measurement mode
Resolution	0.001 Abs
Measurement mode	Standard & Fast measurement mode
Light Source	Halogen lamp
Memory	200 programs & 100,000 measurement results
Display	7" Colour Touch screen
Interface	2 USB
Operating System	Android
Calibration	Auto Calibration Positioning System
Software	Built-In Software
Adjustable Time & Speed Setting	Yes
Power	60W
Power Supply	AC 220V / 50Hz
Dimensions (L x W x H)	560 × 400 × 325 mm
Gross Weight	11kg

★ Specifications are subject to change without notice.

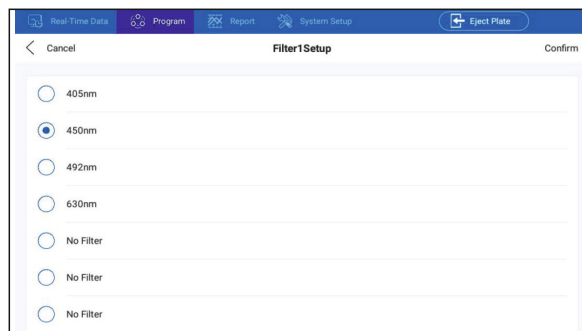
STANDARD ACCESSORIES : Main Instrument, Power Cord, Instruction Manual, Test Certificate

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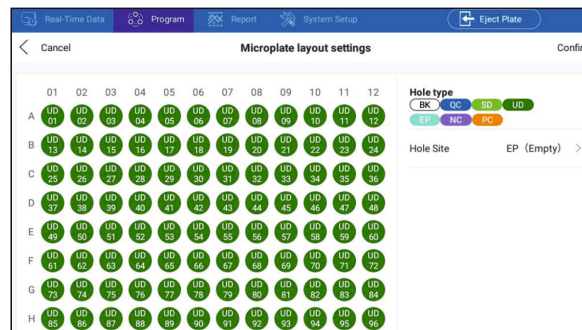
Instrument Self Test



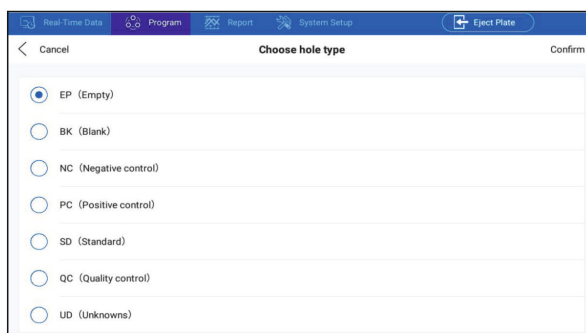
Filter Setup



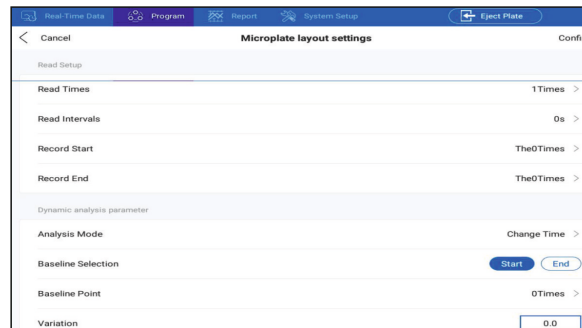
Wavelength Absorbance Value Processing Method



Microplate Layout Settings



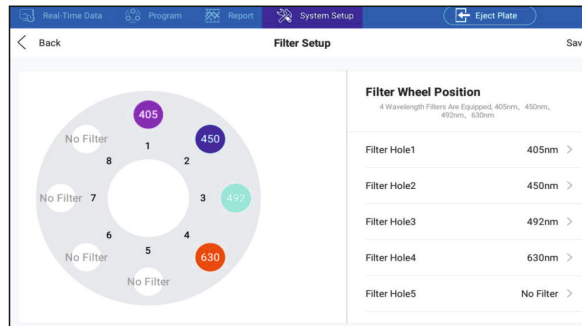
Choose Hole Type



Microplate Layout Settings



Standard Curve



Filter Setup

LABMAN Product Range 2025-26

LMFD61, 62, 63, 64 Lyophilizer Freeze Dryer (-60°C)	LMFD83, 84 Lyophilizer Freeze Dryer (-80°C)	LMRE25 Rotary Evaporator	ADM3 Automatic Density Meter	MSOD6 Microvolume Spectrophotometer
NAE32 Nucleic Acid Extractor	EMR4 Elisa Microplate Reader	GPTC96 Gradient PCR Thermal Cycler	HO30 Hybridization Oven	UVCL254 UV - Crosslinker
TGH12, 24 Tissue Grinder Homogenizer	PBH80T Paddle Blender Homogenizer	TOC2NDir Total Organic Carbon Analyzer	TOC1CD Total Organic Carbon Analyzer	LMDS600, 1200 Microwave Digestion System
HPLC1IS, HPLC2GS High Performance Liquid Chromatography	APT1800 Automatic Potential Titrator	KFT250VC Karl Fischer Titrator	COD1500 COD Analyzer with Digestor	BOD4000 BOD Analyzer
MTVM50 Multi Tube Vortex Mixer	LMVM60D Vortex Mixer	OS20 Orbital Shaker	TRM6 Tube Roller Mixer	DBNE12, 24 Dry Bath Nitrogen Evaporator

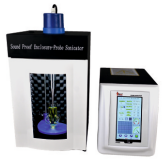
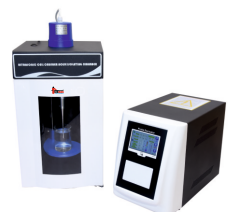
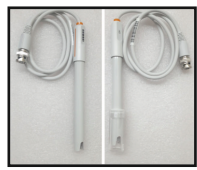
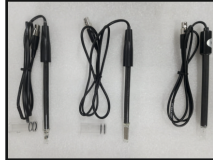
LABMAN Product Range 2025-26

DBI11T  Dry Bath Incubator	DBI15SH, DBI16SC  Dry Bath Incubator	IRS14, 35  Infrared Sterilizer	GGA200  Air Generator	GGA301, 302  Hydrogen Generator
GGN303  Nitrogen Generator	GHA304  Hydrogen Air Generator(2 in 1)	LMVP10  Vacuum Pump	LMVP20  Vacuum Pump	LMCO1  Column Oven
LMIO6  Mini Thermostatic Incubator	GHP400  Graphite Hotplate	LOBMS5  Oil Bath Magnetic Stirrer	LMMS4LC, 20LC  Ceramic Hotplate Magnetic Stirrer	LMMS300  Hotplate Magnetic Stirrer
MMS15S  Multiposition Magnetic Stirrer	MMS12H  Multiposition Magnetic Stirrer	WBMS3  Water Bath Magnetic Stirrer	LMWB2H, 4H, 6H, 8H  Digital Water Bath	HOS20L  Overhead Stirrer
LMHH160  Hand Held Homogenizer	PS1565  Peltier / Sipper System	LUV6HG  PMT Spectrophotometer	LUV2000T, 2100T  Single / Double Beam UV-Vis. Spectrophotometer with 21CFR	LMSPUV SERIES  Double Beam UV-Vis. Spectrophotometer

LABMAN Product Range 2025-26

LMSPUV1200  UV-Vis. Single Beam Spectrophotometer	LMSPV320, 325  Visible Spectrophotometer	ADP100CFR, 95CFR  Automatic Digital Polarimeter with CFR	ADP45, 50  Automatic Digital Polarimeter (±45°)	ADP75, 90  Automatic Digital Polarimeter (±90°)
ADP40  Automatic Digital Polarimeter	LMPM180  Manual Polarimeter	MAR100  Manual ABBE Refractometer	RFM100CFR  Digital Refractometer CFR	RFM950, 970  Digital Refractometer
LMAR1317T  ABBE Refractometer	LMDV300H  Digital Viscometer with Thermosel	LMDV60, 100, 200  Digital Viscometer (L Series)	LMDV400R  Digital Viscometer (R Series)	LMKV2  Krebs Viscometer
LMDV111, 222  Digital Viscometer with SSA	LVA30  Low Viscosity Adaptor	LMCR80F  Visual Colorimeter	LMUC2D  Ultrasonic Cleaner	LMUC3D, 6D, 9D, 12D, 25D  Ultrasonic Cleaner - Degas
LMUC50, 100  Industrial Ultrasonic Cleaner	LMUC13M, 35M  SS304 - Ultrasonic Cleaner	LMPH15  pH Meter with Printer	LMPH12, LMPH10H  pH Meter	LMPH9  pH Meter - Basic

LABMAN Product Range 2025-26

LMCM20H  Conductivity / TDS Meter	LMMP30, 32  Multiparameter (7 in 1 / 9 in 1)	LMION40  Ion Meter	LMDO50  Dissolved Oxygen Meter	LMHD60  Water Hardness Meter
OPH11  Online pH Controller	OCM21  Online Conductivity Controller	LMTB200  Turbidity Meter	RCB1010T, 1020T, 1030T  Refrigerated Circulating Bath	RCB620T  Refrigerated Circulating Bath
RWC320  Recirculating Water Chiller	LMDO4P  Portable DO Meter	LMPH1P  Portable pH / ORP Meter	LMCM2P  Portable Conductivity / TDS Meter	LMTB5P  Portable Turbidity Meter
PRO656, 900, 1200, 1800  Probe Sonicator	PRO660R  Probe Sonicator with Remote	PRO650  Probe Sonicator	LMIF30T, 50T, 100T  Ice Flaker	LMIF200T  Ice Flaker
LMIM15  Ice Maker	LMIM20C  Ice Maker with Crusher	ISE19, 62  Nitrate / Fluoride ISEs	ER SERIES  pH Electrode / DO Electrode	CC1, CC2, CC3  Conductivity Cell