

Microplate Reader



MICROPLATE READER

Microplate reader LMPR-A20

Microplate reader LMPR-A20 is an easy to use, efficient and cost effective optical type microplate reader. It is well equipped with large LCD display, flexible plate layout and auto plate centering system. With comprehensive qualitative and quantitative data-evaluation functions and capability of performing 12 different tests in just one plate, it is ideally suited for all common ELISAs.

Features

- 10.4" color LED display
- Touch screen input
- Wide wavelength range of 330-1100 nm
- Measures single or dual wavelength
- Reads both 48 and 96-well plate
- Graphical operating interface
- Windows operating system
- Convenient to use menu design
- Flexible plate layout with Blanks, Standards, Samples, Reference, QC in one screen
- Auto plate centering system to position the center of the cell accurately
- Auto lamp adjustment and auto calibration function
- Optical system with 8 channel optical fiber scanning
- Equipped with support keyboard and mouse
- Capable of performing 12 different tests in just one plate
- Comprehensive qualitative and quantitative data evaluation function with cut-offs, curve-fits and transformation formulas
- Stable memory capable of storing twenty million test data and 500 test projects
- USB port for easy data transfer
- Consists Workstation PC software

Applications

It finds wide application in Immunoassays (ELISA), enzyme assays, absorbance based microplate reader assay (Bradford assay), proliferation assays and toxicity.

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Specifications

Model no.	LMPR-A20
Light source	8V/50W controlled tungsten halogen lamp
Wavelength range	400-850 nm
Standard filters	405, 450, 492, 630 nm
Additional filters	Filter wheel for up to 8 filters
Microplate format	48/96-well plate
Photodetector	Silicon photodiode
Reading range	0.000-4.000 Abs
Reading speed	Single wavelength \leq 3s; dual wavelength \leq 6s
Resolution	0.001 Abs
Accuracy	\pm 0.008 Abs
Reproducibility	\leq 0.2 %
Stability	\pm 0.003 A
Shaking	Linear shaking, 3 speeds
Printer	Built-in thermal printer, optional external printer
Interface connection	DVI, UGA, NETWORK INTERFACE, USB, AUDIO INTERFACE, RS-232
Power supply	100-240 V, 50-60 Hz
Dimension (LxWxH)	460x350x197 mm
Net weight	10 kg
Gross weight	12 kg



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