



Microplate Reader LMPR-A15

Microplate Reader LMPR-A15 is a compact, benchtop ELISA microplate reader comprising silicon photocell detector, Halogen tungsten Lamp as light source, offers wavelength range of 400 to 750 nm. Features qualitative determination and quantitative analysis, 48-well and 96-well microplates, offers End point method, two-point method, dynamics, single / dual wavelength test mode. Adapted with unique open Cut-Off judgment formula, center positioning function, this equipment configures the inhibition rate measurement module. 8-inch industrial grade color LCD touch screen display, can display entire ELISA plate board information, allow user to monitor timely and print testing results directly through RS232 interface. Designed with professional software, large storage up to 200 group programs and 100000 sample results, and more than 10 curve fitting equations. With 3 linear vibration plate functions, this equipment offers 8 channel vertical light path system.

Features :

- ❑ Compact, benchtop ELISA microplate reader
- ❑ Silicon photocell detector; Halogen tungsten Lamp as light source
- ❑ Open type qualitative determination and quantitative analysis
- ❑ 48-well and 96-well microplates; Configures the inhibition rate measurement module
- ❑ Offers End point method, two-point method, dynamics, single / dual wavelength test mode
- ❑ Unique open Cut-Off judgment formula; Center positioning function
- ❑ 8-inch industrial grade color LCD touch screen display, can display entire ELISA plate board information
- ❑ Professional software, large storage up to 200 group programs and 100000 sample results, and more than 10 curve fitting equations
- ❑ 3 linear vibration plate functions; 8 channel vertical light path system
- ❑ RS232 printer interface

Application :

Microplate reader is widely used in the fields of hospital clinical diagnosis, immune pathology testing, microbial antigen and antibody detection, parasitic diseases diagnosis, blood disease diagnosis, endocrine disorder measure, plant diseases and insect, pets studies etc.

Specifications:

Model	LMPR-A15
Plate type	48-well,96-well microplates
Display	8-inch industrial grade color LCD touch screen display; can display entire ELISA plate board information
Wavelength range	400 to 800 nm
Filters	405 nm, 450 nm, 492 nm, 630 nm; can installed up to 10 filters
Accuracy	$\leq \pm 0.01$ Abs
Resolution	0.001Abs (display, print); inner calculating 0.0001Abs
Repeatability	$\leq 0.3\%$
Stability	$\leq \pm 0.003$ Abs
Optical path	8 channel vertical light path system
Reading range	0 to 4.000 Abs
Reading speed	6 s/96 well plate, single wavelength
Vibration plate	3 kinds of linear vibration plate function; adjustable (0 to 255 sec)
Light source	Halogen-tungsten lamp; 12V/20W; ≥ 3000 hours
Detector	Silicon photocell detector
Measurement mode	Automatic Single-wavelength, dual-wavelength end point method
Calculation mode	Open type qualitative determination and quantitative analysis

Software	Professional software, large storage up to 200 group programs and 100000 sample results, and more than 10 curve fitting equations
Interface	RS232
Power supply	AC 110/220 V \pm 10 %, 60/50 Hz
Packaging dimensions (WxDxH)	550x395x470 mm
Gross weight	16 kg