

MICROPLATE READER

UV/VIS MICROPLATE SPECTROPHOTOMETER

BioPlate Reader MR-800

Microplate reader is widely used biological testing device that utilizes enzyme-linked immunosorbent assay (ELISA) to detect and analyze enzyme based on the enzyme-linked immunosorbent (ELISA) according to the principle, qualitative or quantitative analysis is carried out based on the presence, absence, and color depth of the colored object. This is a highly effective immunological techniques for vitality. This instrument is suitable for clinical testing, microbiology, epidemiology, immunology, endocrinology and agricultural and forestry sciences. Used in universities, animal epidemic prevention stations, biological products and other departments.



BioPlate Reader is a high-quality filter based microplate reader. It is used to measure absorbance for 96-well plate format in wavelength range of 300-800 nm. You can choose to incubate under 85°C (max.) as option. The instrument allows shaking function, together with internal power software and PC software control (option).

FEATURES

- ❑ 10.1-inch high-resolution color touch screen, easy to operate, without the need for additional computers.
- ❑ Store standard curve automatically, users can edit the standard curve.
- ❑ Endpoint method, dynamics, universal mode, single/dual wavelength measurement.
- ❑ Fast detection speed, rich software configuration, can be used alone or connected to a computer. When the instrument is started, the system will automatically calibrate the carrier position, light source and filter.
- ❑ With clock function, the visualization board can be stored, and the command function can be detected and called.
- ❑ The data management function has a large storage space and can be exported and stored at any time.



Incubator function (Option)

Temperature control from
RT+5°C to 85°C

Shaking/Vibration function

3 options for linear vibration plate (slow, medium, fast)
Adjustable 1sec - 18h (hr:min:second)

BioPlate Reader MR-800

Specification

Parameter	BioPlate Reader MR-800
Plate type	96 well microplate
Light source	6V 10W Quartz halogen lamp, service life up to 4000 hr.
Optical path	8 detection channels
Detector type	Silicon photodiode
Wavelength selection	Filters (up to 8 filters)
Wavelength range	300-800 nm
Filters	Default configuration 405, 450, 492 and 630nm (other wavelengths are optional)
Wavelength accuracy	±2 nm
Linearity (405 nm)	0-3 Abs, ±2%, 96well plates
Absorbance range	0-4.000 Abs
Bandwidth	8 nm
Resolution	0.001 Abs
Absorbance accuracy	0.005 Abs or ±1% (0-3.0 Abs), ±2% (3.0-4.0 Abs) at 405 nm
Absorbance precision (repeatability)	CV ≤0.2% (0-3.0 Abs), CV ≤1% (3.0-4.0 Abs) at 405 nm
Baseline stability	±0.003 Abs
Shaking / Vibration	3 kinds of linear shaking/vibration plate function
Incubator (Option)	Room temp. +5°C to 85°C: step 1°C
Measurement speed	6 seconds with single wavelength mode 10 seconds with dual wavelength mode
Display	10.1 inches color LCD touch screen
Test mode	End point mode, dynamics (kinetics), single/dual wavelength testing mode and etc.
Data export format	.TXT, .CSV, Excel and PDF
Connection	2xUSB-A port for device and 1xEthernet port
Size	470 x 300 x 200 mm (DxWxH)
Weight	13 Kg
Power supply	AC100-240V, 50-60Hz

ORDERING INFORMATION

Part Number	Description
LS-18024-110	MR-800 BioPlate Reader
LS-18024-FIL	Additional Filters (300-800nm)
LS-18024-INC	Incubation Heating Range: RT+5°C to 85°C, step: 1°C
LS-18024-SW	PC software



Biometrics Technologies, Inc.
1220 N. Market St. Suite 806, Wilmington, DE
19801, USA
Email: info@biometrics-technologies.com
Website: www.biometrics-technologies.com

Biometrics Technologies Co., Ltd. (Taiwan)
15F-8, No. 99, Sec. 1, Xintai 5th Rd.,
Xizhi District, New Taipei City 221, Taiwan.
Email: sales@biometrics-technologies.com

Biometrics Technologies (Asia Pacific) Ltd.
(International & Asia Pacific Support Center)
18, 7th Fl. Sricharoenchai Bldg., Tiwanon Rd., Mueang,
Nonthaburi 11000 Thailand.
Email: info@biometrics-technologies.com