

MICROPLATE READER

UV/VIS MICROPLATE SPECTROPHOTOMETER

BioPlate Reader MR-1000S

MR-1000S is a UV/Vis microplate spectrophotometer offering free wavelength selection, so being an ideal tool for virtually any photometric research application, such as DNA, RNA, protein analysis and more. It offers exceptional usability through its intuitive, user-friendly internal software and comprehensive ReaderIt-II Software.

MR-1000S microplate reader has been designed to deliver high performance and high-quality results with minimal user effort, it measures 96 and 384-well plates and plate shaking motion is linear.

*User-friendly, Speed,
High Performance*



FEATURES

10-inch touch screen, and offers stand-alone operation, it is easy to use

Intuitive, user-friendly internal software on a 10-inch touch screen provides quick and efficient measurements. Easy and logical assay setup is supported by the powerful PC software (ReaderIt-II), which offers comprehensive functions to analyze, review, and validate data, and is equipped with 21 CFR Part 11(Optional). It also allows easy access to data via a USB interface.

Freely selectable wavelengths from 200-1000 nm for the demands of various assays

Wavelength selection in MR-1000S is done by using an advanced monochromator system. Any wavelength between 200 to 1000 nm can be selected at any time. Using the spectral scanning feature, the whole spectrum of a sample be scanned in 1 nm increments to allow identification of the optimal measurement wavelength for a new assay.

Both microplates reading for any throughput requirements

It measures 96 and 384-well plates. There are the optional accessories such as cuvette detection module for using with 10mm cell and u-Nano Ultra-microplate for nucleic acid and protein detection up to 16 samples.

Flexibility and performance for various photometric applications

MR-1000S microplate reader supports endpoint, kinetic and spectral scanning assay. It reads 96 and 384-well microplates with and without lids.

A broad wavelength range with the UV area, pathlength correction as well as fast spectral scanning makes it an ideal tool for any photometric research application, including DNA, RNA and protein analysis.



Fast detection for all wavelengths

MR-1000S adopt the xenon flash lamp as light source, which choose the wavelength range from 200 to 1000 nm with 1 nm step by grating monochromator for the full spectrum scanning only needs 30 seconds each sample.

Linear shaking

3 options for the shaking speed:
Low speed (5Hz, amplitude 15mm)
Medium speed (11Hz, amplitude 3mm)
High speed (20Hz, amplitude 1mm)

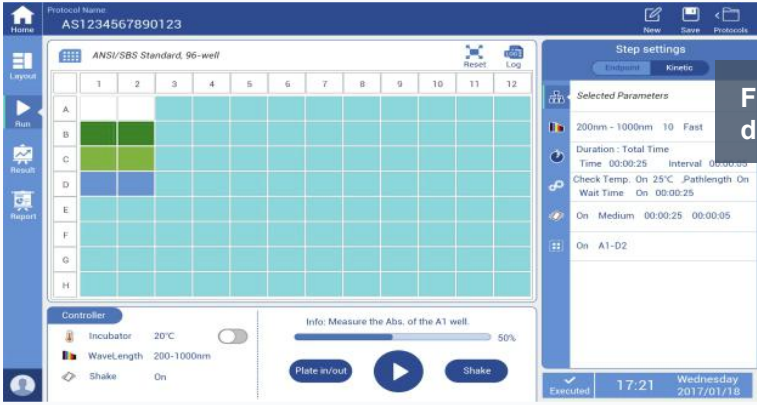
Incubator function

Temperature range: ambient +5°C to 45°C
Heating up time: < 45 min (25°C to 37°C)
Uniformity: < 1.0°C (96 well plate without cover, at 37°C)
Average temperature difference: ±0.5°C (at 37°C)



BioPlate Reader MR-1000S

Software Interface...

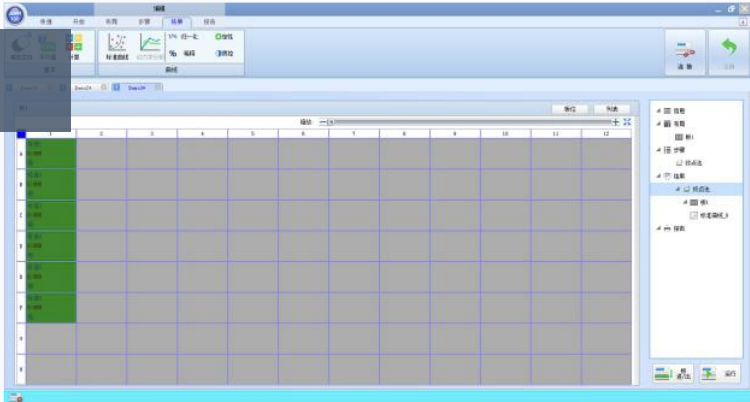


Friendly operation interface which can complete fast detection in MR-1000S

The built-in software of MS-1000S which has 10-inch high resolution touch screen and adopts the graphic interface, it makes the operations easy. In addition, you can use USB to export data

ReaderIt-II software has the strong data analysis and advanced detection setting ability

Graphic interface ReaderIt-II realized the simulation demonstration function. The data analysis function includes quantitative curve fitting, quantitative analysis, kinetics calculation, custom equation and 4 parameters fitting and so on. Data can be exported to Excel format easily, and the detailed report also can be exported by the built-in tools.



High quality data and stabilized performance

The optical system makes sure the high-quality data and stabilized performance of MS-1000S

- Dual beam optical system** has the reference optical channel system, which makes the data more stabilization.
- Self-checking system** makes sure the device running stabilized.
- Long life xenon flash lamp** which can be used for 10^9 times.

Wide and convenient application

- DNA/RNA quantitative and purity analysis
- Protein quantitative
- Enzymology and immune detection (Immunoassays, ELISA)
- Endotoxins assay
- Kinetic detection
- Cell multiplication (Proliferation assays) and cytotoxicity detection
- Cell apoptosis detection
- Report gene and GPCR detection

ORDER INFORMATION

Part Number	Description
LS-14021-110	MR-1000S BioPlate Reader
LS-14021-100SW	ReaderIt-II Software for PC control
LS-14021-CFR	ReaderIt-II Software FDA (21 CFR Part 11) for PC control
LS-14021-101U	u-Nano Ultra-microplate
LS-14021-102C	Cuvette detection module



u-Nano Ultra-microplate
for Nucleic acid & Protein
detection: 16 samples



**Cuvette detection
module**
for 10mm cuvette



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