Microplate Reader

PROMOTION 1

BGMR-2000
Full-wavelength Microplate Reader

PROMO validity
from 15/01/26 to 30/04/26

Code	List Price	Net Price
BGMR-2000A	12.800,00€	9.205,00€
BGMR-2000B	11.600,00€	8.405,00€

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Products

BGMR-2000 is a full-wavelength Microplate reader developed by Hangzhou Bio-Gener Technology Co., Ltd., with a detection wavelength of 200-1000nm. The instrument can complete the measurement quickly and accurately, with a measurement speed of: fast <8 seconds, accurate <28 seconds.

The instrument also comes standard with a linear shock plate function. The type incubation temperature with the incubator can be as high as 85°C. Visualized workflow, simple data analysis and export function can maximize your experience.

This product can be widely used in the fields of research, agriculture, animal husbandry, feed companies, food companies and other testing.

Feature

1 Wide wavelength range 200-1000nm, 1nm step grating monochromator, precise control of detection wavelength.

2 You can measure the end point method, dynamics, suppression rate, etc.

3 Supports 96-well and 384-well plates, which can effectively save time and sample usage.

4 It has cuvette and fluorometer functions to adapt to different experimental scenarios.

5 Combining AI with scientific research, it has many special functions such as voice control, voice interaction, code scanning, face recognition, etc., bringing a new experience to users.

6 The high-resolution 10.1-inch capacitive touch screen is easy and smooth to operate, and the screen angle can be freely adjusted by voice control or buttons.

Parameters for BGMR-2000

Model/Specification	
Name	Full-wavelength Microplate Reader
Model No.	BGMR-2000
Plate	96-well and 384-well
Dimension	318×450×265 (L×W×H)
Weight	22kg

Optical System	
Light Source	Xenon lamp, flashes up to 10^9
Wavelength	200-1000nm
Counting Range	0-4 OD
Optical System	Grating monochromator (1nm step)
Detection System	PD

Performance Parameters	
Accuracy @450	≤±2nm
Repeatability	≤0.2nm
Linear @450	R^2 >0.995(0.0-3.0)
Accuracy @450	± (0.005Abs) , (0 - 2.0Abs] ± 0.3% , (2.0 - 3.0Abs] ± 2 .0% , (3.0 - 4.0Abs]
Repeatability @450	CV<0.5%
Control Range	RT+5°C-85°C
Temp. Accuracy	±0.5°C@37°C
Temp. Uniformity	±0.5°C@37°C

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Parameters for BGMR-2000

Cuvette	
Light Source	Xenon lamp, flashes up to 10^9
Absorbance Range	0- 4.000Abs
Absorbance Stability	(0,3)≤0.5%, (3,4)≤1.5%
Absorbance Repeatability	(0,3)≤0.5%, (3,4)≤1.5%
Absorbance Accuracy	(0,2)≤0.005A, (2,3)≤1%, (3,4)≤2%

Fluorometer	
Detection Channel	2 channel
Repeatability	<1.5%
Stability	<1.5%
Linearity	R^2 ≥0.995
Light Source	Single Color LED
Excitation Wavelength	(470nm/624nm)
Emission Wavelength	(525nm/692nm)

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Other Performance	
Control Method	10.1" touch screen, embedded software
Vibration plate	3 speeds (high, medium, low)
Measuring Speed	Fast <8 seconds, accurate <28 seconds
Communication	A type USB x 2, B type USB, Ethernet port
Storage Capacity	16G, >20,000 data
Print	Thermal printer (optional)
Voice Function	Yes
Scanning Code Function	Yes
Screen Angle	Adjustable from 0° to 90°
Facial Recognition	Yes
Power Supply	DC15V, 17A, 255W

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PROMOTION 2

BGMR-1000 Series
Microplate Reader

PROMO validity
from 15/01/26 to 30/04/26

| Code	List Price	Net Price
BGMR-1000	3.800,00€	**3.199,00€**
BGMR-1000S	3.200,00€	**2.799,00€**

Feature

1 10.1-inch touch screen, can operate, store, print without external computers.

2 8-channel optical filter measurement system, you can manually replace the filter.

3 You can measure the end point method, dynamics, suppression rate, etc

4 Panel visualization operation, data displayed completely.

5 Up to 100 preset test items, greatly improving the testing efficiency of commonly used items.

6 Using the principle of optoelectronics to erform enzyme immunization measurement of samples

Filters can be replaced here

Automatic position exit function
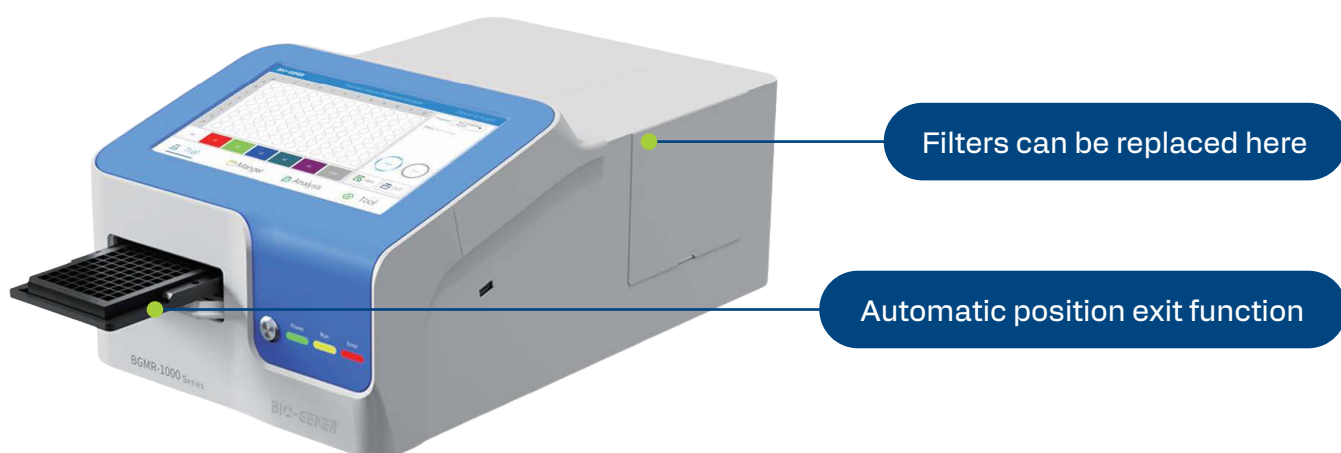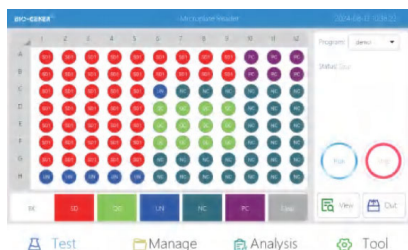
Interface

Setting Interface
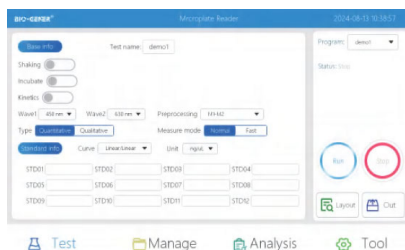
Test Setting Interface

Data Analysis Interface

Parameters for BGMR-1000 Series

Model/Specification		
Model No.	BGMR-1000	BGMR-1000S
Dimension	300×470×200mm	
Weight	13kg	

Optical System		
Light Source	6V10W long life halogen lamp	
Wavelength	340-750nm	400-750nm
Filter	Four filters of 405, 450, 492 and 630nm are equipped as standard, and up to eight filters can be loaded	
Filter Width	6-8nm	
Absorbent	0.000-4.000 OD	

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Parameters for BGMR-1000 Series

Performance Parameters	
Resolution	0.001 OD
Linearity	The correlation coefficient is greater than 0.999(0, 2. 0),and the correlation coefficient is greater than 0.99(2.0, 4.0)
Wavelength Error	≤±3nm
Wavelength Repetitiveness	≤±1.5nm
Repetitiveness	≤0.3%(0, 3.0), ≤2%(3.0, 4.0)
Stability	≤0.3%(0, 3.0), ≤2%(3.0, 4.0)
Accuracy	≤±0.005 OD(0, 2.0), ≤±1%(2.0, 3.0), ≤±1.5%(3.0, 4.0)
Sensitivity	Sensitivity≥0.010 OD
Channel Difference	<0.01 OD (1.0 OD Standard filter)

Other Performance		
Measuring Speed	Single wavelength 6 seconds/96 wells, double wavelength 10 seconds/96 wells	
Vibrating Plate	3 speeds (high, medium, low)	
Temperature Range	RT+5°C -85°C	/
Control Method	10.1 -inch touch screen, embedded software	
Data Export	excel, txt, pdf, xls	
Print	Report can be printed (optional USB thermal printer)	
Communication	A type USBx2, B type USB, Ethernet port, Serial Port	

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