



MICROPLATE READER BFJ1C1

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FULL-WAVELENGTH MICROPLATE READER

This model is a full-wavelength Microplate reader 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.



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.

SPECIFICATIONS

Model	BFJ1C1
Plate	96-well and 384-well
Dimension	318x450x265 (LxWxH)
Weight	22kg
Light Source (Optical)	Xenon lamp, flashes up to 10 ⁸
Wavelength	200-1000nm
Counting Range	0-4 OD
Optical System	Grating monochromator (1nm step)
Detection System	PD
Accuracy @450	≤2nm
Repeatability	≤0.2nm
Linear @450	R ² >0.995(0.3-0.1)
Accuracy @450 (Abs)	± (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
Light Source (Cuvette)	Xenon lamp, flashes up to 10 ⁸
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%
Detection Channel	2 channel
Repeatability (Fluoro)	<1.5%
Stability	<1.5%
Linearity	R ² ≥0.996

Light Source (Fluoro)	Single Color LED
Excitation Wavelength	470nm/624nm
Emission Wavelength	525nm/682nm
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 printing (optional)
Voice Function	Yes
Scanning Code Function	Yes
Screen Angle	Adjustable from 0° to 90°
Facial Recognition	Yes
Power Supply	DC15V, 17A, 255W
Alt Name	Full-wavelength Microplate Reader

FEATURES

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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.
7. Simple and easy to operate
8. Intelligent voice (computing)



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