



## DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER BFJ-101

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## MICRO-SPECTROPHOTOMETERS



1. 7-inch capacitive TFT screen, multi-touch, intuitive interface, simple operation.
2. It has its own automatic detection function, which significantly improves the detection Efficiency.
3. With high-precision motor drive, the accuracy of the optical path reaches 0.001mm, and the absorbance detection repeatability is high.
4. The sample volume required for the test is only 0.5 to 2ul, and it can be recovered after the measurement.
5. It has dual-channel fluorescence detection function, high sensitivity and good linearity.
6. OD600 function with stirring and heating function can detect the growth of ba

## SPECIFICATIONS

Model	BFJ-101
Volume	0.5ul-2ul
Dimension	318x210x188mm (LxWxH)
Weight	4.85kg
Optical Path	0.03mm, 0.05mm, 0.1mm, 0.2mm, 1mm
Light Source	Xenon flash lamp/number of flashes
Detector Type	2048 pixel linear array CCD
Wavelength Range	190nm-850nm
Accuracy	±1nm
Spectral Resolution	≤3nm (FWHM@Hg253.7nm)
Absorption Accuracy	0.002Abs (1mm optical path)
Absorption Accuracy (260nm)	±1%(7.332Abs absorbance @ 260nm)
Absorbance Range	0.04-750(at 260nm wavelength, equivalent to 10mm optical path)
Concentration Range	2ng/ul dsDNA-37500ng/ul dsDNA
Detection Time	<6s
OD600 Light Source	Single color LED
OD600 Absorbance Range	0-4.000Abs
OD600 Absorbance Stability	(0.3)±0.5%, (3.4)±1.5%
OD600 Repeatability	(0.3)≤0.5%, (3.4)≤1.5%
OD600 Absorption Accuracy	(0.2)±0.005A, (2.3)±1%, (3.4)±2%
Heating Temperature	37°C±0.5°C
Stirring Speed	12 adjustable speeds, 100-1200rpm
Fluorescence Sample Volume	≥50ul (0.5ml PCR Tube)
Fluorescence Detection Time	4s
Detection Channel	2 channel
Reproducibility	<1.5%
Stability	<1.5%
Linearity	R <sup>2</sup> ≥0.995
Light Source (Fluorescence)	Single color LED
Excitation Wavelength	470nm, 624nm
Emission Wavelength	525nm, 682nm
Printing	Built-in thermal printer
Communication	USB2.0 x2

Data Export Formats	xls, csv, txt, jpg, png
Experimental Data	>10,000
Input Voltage	DC12V 5A
Power Supply	60W
Alt Name	Micro-Spectrophotometers

## FEATURES

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4. The sample volume required for the test is only 0.5 to 2ul, and it can be recovered after the measurement.
5. It has dual-channel fluorescence detection function, high sensitivity and good linearity.
6. OD600 function with stirring and heating function can detect the growth of bacteria, microorganisms, etc



Adopting Android operating system, 7-inch capacitive touch screen, no need for computer online, stand-alone can be detected



Rapid and accurate detection of nucleic acids, proteins and cellular solutions with only 0.5-2ul of sample.



Equipped with OD600 optical path detection system, fluorometer function, convenient for bacteria, microorganisms and other culture solution concentration detection.

## APPLICATIONS

Rapid testing  
Easy operation



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