

MICRO VOLUME SPECTROPHOTOMETER



BR-MICRO-800

The BR-MICRO-800 is a full wavelength (190~850nm) ultra-micro spectrophotometer that does not require a computer. The BR-NANO-800 provides fast and accurate detection of nucleic acids, proteins, and cellular solutions, and is equipped with a cuvette mode for the detection of bacteria and other cultures down to 0.5 ng/μl (dsDNA).

FEATURES

- Fluorescence function
- LED light source
- With OD600 bacterial solution, microbial detection
- Sample without dilution
- Three optical path detection technology is used
- The android operating system
- Built-in printer
- Strong repeatability and high linearity



TECHNICAL PARAMETERS

MODEL	BR-MICRO-800
4 light course	0.02mm,0.05,0.2mm,1.0mm
Detector	HAMAMATSU UV Enhanced CMOS LINE Array SENSING
Fluorescence Sensitivity	DsDNA: 0.5pg/μl
Fluorescence Linearity	≤ 1.5%
Wavelength range	190nm-850nm)
Sample Volume Requirements	0.5~2ul
OD600 Absorbance stability	0, 3 ≤ 0.5% 3.4 ≤ 2%
OD600 Absorbance accuracy	0,2≤0.005a 2,3≤1\%3,4≤2\%
OD600 Repeatability of absorbance	0, 3 ≤ 0.5% 3.4≤2%
OD600 absorbance range	0~6.000Abs
Absorbance accuracy	1%(7.332Abs at 260nm
Spectral resolution	<1nm
Photometric accuracy	0.005Aor1%
Wavelength accuracy	within1nm
Wavelength reproducibility	0.2nm
Sample wavelength scanning	190~850nm
Base measurement only	0.5~2ul
Sample base material	Quartz fiber and stainless steel
Detection time	5S
Standby power consumption	5W
Data output method	USB
Light source	Xenon flash
Power adapter	24V DC
Power consumption	25W
Dimension	W200mm×D260mm×H165mm
Weight	5kg

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