



NANO SPECTROPHOTOMETER BEP1N1

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Biolab Nano spectrophotometer is a compact, micro volume UV Visible Spectrophotometer with enhanced sensitivity that can detect samples at 3ng/μl. It gives you fast measurement typically less than 5sec/sample and provides rapid and reproducible results without prior dilution. With robust instrumentation and ease of use, our product is most preferred for quick analysis in labs.



User-friendly software, easy to use, free software updates are available
Only require 0.5~2μl sample to accurately determine nucleic acids, proteins
Fast and easy measurements which turn on and instantly measure without lamp warm up time; Easy measurement within 8 sec
Xenon flash lamp, 10 flashes, up to 10 years, no dilutions and expensive consumables

Direct microvolume measurements from 1-2μL of sample. Eliminates the need for expensive accessories

No computer required and with touch screen

Equipped with Android system operation (BSNA-101, BSNA-103, BSNA-104)

It is a basic UV spectrophotometer specifically designed (only two types of wavelength 260nm and 280nm) for nucleic acids and proteins

SPECIFICATIONS

Model	BEP1N1
Minimum Sample Size	0.5-2.0 μl
Wavelength Range	200-800 nm
Wavelength Accuracy	1 nm
Spectral Resolution	≤ 3 nm (FWHM at Hg 546 nm)
Absorbance Range	0.02-100A
Absorbance Accuracy	1% (7.332Abs at 260nm)
Absorbance Precision	0.003 Abs
Path Length	0.05 mm, 0.2 mm (High concentration measurement); 1.0 mm (Ordinary concentration)
Light Source	Xenon flash lamp
Detector	2048-linear silicon CCD array
Measurement Time	< 6s
Fluorescent detection	
Fluorescent detection - Sensitivity	dsDNA: 0.5pg/ul
Fluorescent detection - Linear Dynamic Range	R ² > 0.995
Fluorescent detection - Repeatability	<1.5%
OD600 nm Measurement	
OD600 nm Measurement - Wavelength Range	600±8 nm
OD600 nm Measurement - Absorbance Range	0-4A
Software	USB
Software Compatibility	Android System
Sample Pedestal Material	Aluminium alloy and Quartz fiber
Dimension (W/D/H)	210x310x181 mm
Display	HD
Weight (Net/Gross)	2.8 kg
Standby Power	5 W
Power	25 W
Power Supply	24V DC
Alt Name	Nano Spectrophotometer

FEATURES

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To detect the concentration of bacteria and microorganism are more convenient with the OD600 function

The BSNA-102/103/104 are full range of wavelength (200-800nm) detection ability; The BSNA-101

is a basic UV spectrophotometer specifically designed (only two types of wavelength 260nm and 280nm) for nucleic acids and proteins

BSNA-104 also can be used to test the Fluorescence, for samples with concentrations below 2 ng/µl, fluorometric mode can be used, and the minimum detection limit can reach 0.5pg/µl

APPLICATIONS

Ideal choice for quantitation of protein, DNA, RNA and photometric measurements in analytical labs and research areas.



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