BioLAB

PRODUCT CATALOG

NANO SPECTROPHOTOMETER BSNA-103

CE ISO9001 CERTIFIED

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NANO SPECTROPHOTOMETER BSNA-103

MICRO-SPECTROPHOTOMETER

User-Friendly Software, Easy to Use
Graphical software operation, more intuitive interface, the results can be directly exported, easy to save, view and output data.
Micro-Volumes Measuring
Only 0.5 μL-2 μL sample is needed for each test. After the measurement, the samples can be recovered and the precious samples can be studied with confidence.
Long Life Light Source, Do Not Need to Warm Up
Xenon flash, life span is 10^9 (up to 10 years). No preheating, direct use, ready to test at any time.
High Concentration Detection
The maximum concentration of the detectable sample is 15000 ng/μL, and the sample basically does not need to be diluted.

SPECIFICATIONS

Model	BSNA-103
Wavelength range	200~800 nm
Minimum sample size	0.5~2.0 μL
Path length	0.2 mm 1.0 mm
Light source	Xenon flash lamp
Detector type	2048-linear CCD array
Wavelength accuracy	1 nm
Spectral resolution	≤ 3 nm
Absorbance precision	0.003 Abs
Absorbance accuracy	1 % (7.332 Abs at 260 nm)
Absorbance range	0.04~90 A
Nucleic acid detection range	2~4500 ng/μL (dsDNA)
Measurement time	< 5 s
Dimension (WxDxH) mm	210x268x181
Weight	2.8 kg
Sample pedestal material	Aluminum alloy and quartz fiber
Operating voltage	DC 24 V 2 A
Operating power	25 W
Standby power	5 W
Software compatibility	Android system
Cuvette Mode (OD600 Measurement)	
- Light source	LED
- Wavelength range	600±8 nm
- Absorbance range	0~4 A
Fluorometer Mode	
- Sensitivity	/
- Linear dynamic range	/
- Repeatability	/
Alt Name	Micro-Spectrophotometer

FEATURES

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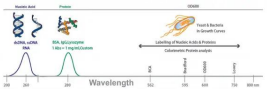
High Concentration Detection
The maximum concentration of the detectable sample is 15000 ng/μL, and the sample basically does not need to be diluted.
Convenient and Easy to Use
Directly point the sample on to the sample plate without dilution or cuvette. The sample concentration can be measured as 50 times of the conventional uv-visible photometer, and the result can be directly output as the sample concentration.
Fast Detection
No dilution or cuvette needed in the detection process; 5 s can complete the test and display the result.
Single Machine Operation, Convenient and Efficient

APPLICATIONS



Different Fluorescence Channels:

UV Channel:
Excitation wavelength: 365±20 nm
Common reagent: Hoechst 33258, 4-MU, EnzChek Caspase
Nucleic acid quantification, plant GUS reporter gene detection, apoptosis detection

Blue Channel:
Excitation wavelength: 460±20 nm
Common reagent: PicoGreen, oligreen, RiboGreen, GFP, Protein, Fluorescein
dsDNA, ssDNA, GFP, gene detection, fluorescein detection, protein quantification.

Green Channel:
Excitation wavelength: 525±20 nm
Common reagent: Rhodamine, Cy3, RFP Vybrant Cytotoxicity
Rhodamine detection, Cy-3 fluorescence labeling detection, RFP gene detection, cytotoxicity detection.

Red Channel:
Excitation wavelength: 625±20 nm
Common reagent: Cy5, Quant-iT RNA
Cy-5 fluorescence labeling detection, RNA quantification

MORE INFO

It is a full wavelength (200~800 nm) micro-spectrophotometer based on Nano100, which adds detection of bacterial cell density (OD600) without a computer.
Android system, 7-inch capacitive touch screen, optimized APP software.
Newly designed OD600 optical path detection system, new cuvette mode, convenient for the concentration detection of bacteria, microorganisms and other culture solutions.
High resolution CCD array detectors, 5 s can complete the detection, display the results.
With its own high-definition touch screen and control program, it can be detected without a computer connection.
Long life pulse xenon light source, intelligently identify the user's usage. No operation within 5 minutes, the light source will be automatically turned off to prolong the service life.
The test data is transferred to your computer via USB flash memory for easy data sorting, analysis and storage.
Easy-to-use data to printer option, can print reports directly through the built-in printer.
Automatic detection and automatic blank function: automatically detect the sample concentration when the detection arm is lowered, which greatly shortens the detection time of large batches of samples.

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