BioLAB

PRODUCT CATALOG

SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER
BFA1B1 (BSNA-402)

CE ISO9001 CERTIFIED

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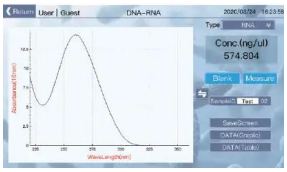
SINGLE BEAM UV VISIBLE SPECTROPHOTOMETER BFA1B1

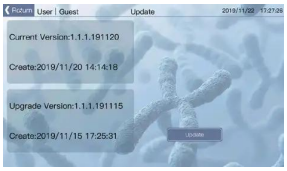
ULTRA-MICRO ULTRAVIOLET-VISIBLE SPECTROPHOTOMETER

Ultra-micro ultraviolet-visible spectrophotometer is a full-wavelength ultra-micro ultraviolet-visible spectrophotometer. The micro detection mode can be used to detect nucleic acids, micro nucleic acid arrays, pure protein detection, labeled protein detection, protein quantitative detection, microbial cell culture detection and Conventional full-wavelength scanning, cuvette detection mode can measure nucleic acid, protein, microbial cell culture and Kinetic testing.

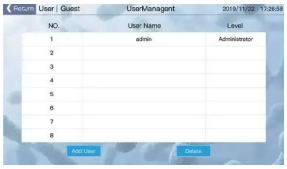


Measurement interface
Fast and stable operation without delay

Data interface
(more than 10000 data can be stored) history record, screenshot, data export function



Upgrade interface
U disk quick upgrade, update software



User interface
Multi-user independent detection and independent management

Small size, easy to carry, very suitable for field testing.
It can be quickly upgraded by U disk, which is convenient for the instrument to update the software.
The detection concentration range is wide, and commonly used samples can be detected without dilution.
Has a power-on self-test function, it can quickly and accurately judge whether there are impurities in the detection platform when the machine is started up.
The machine does not need to be warmed up, it can be detected after starting up, and the single detection time is about 5 seconds, and the detection is fast.
By forming a liquid column, the sample required for one test is as low as 0.5ul.
Colony detection can be performed in both cuvette and micro mode.
With cuvette measurement function, support kinetic detection.

SPECIFICATIONS

Model	BFA1B1
Old Model	BSNA-402
Test sample capacity	0.5~2μl
Light source	Xenon lamp
Detector	2048 linear CCD array
Optical path	≤0.7mm
Wavelength range	200~850nm
Wavelength accuracy	<1nm
Wavelength resolution	≤2nm
Light absorption range	0.04~300Abs (10mm)
Light absorption accuracy	0.002Abs (1mm)
Spectral bandwidth	≤1.8mm(FWHM)
Spectral resolution	≤0.3nm
Absorbance accuracy	1%(0.76Abs at 256nm)
Detection concentration range	2~15000ng/μl(dsDNA)
Sample base material	304 stainless steel and quartz optical fiber
Measure time	About 5s
Power	20W
Power Adapter	12V , 5A
Dimensions	W.197xD.327xH.181mm
Net weight	3.1kgs
Cuvette specifications	12.5mm(L)x12.5mm(W)x45mm(H)
Cuvette optical path length	10, 5, 2, 1mm
Cuvette beam height	8mm
Heating range of cuvette	37±0.5℃
Stirring speed of cuvette	High and low two modes
Detection concentration range of cuvette	0.2~75ng/μl(dsDNA)
Light absorption range of cuvette	0.004~1.5Abs (10mm)
Alt Name	Ultra-micro ultraviolet-visible Spectrophotometer

FEATURES

Small size, easy to carry, very suitable for field testing.
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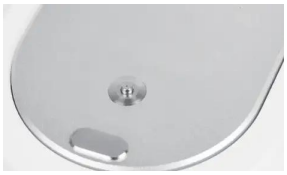
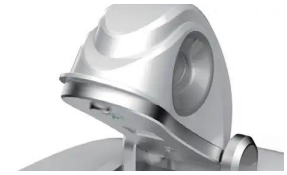
Has a power-on self-test function, it can quickly and accurately judge whether there are impurities in the detection platform when the machine is started up.
The machine does not need to be warmed up, it can be detected after starting up, and the single detection time is about 5 seconds, and the detection is fast.
By forming a liquid column, the sample required for one test is as low as 0.5ul.
Colony detection can be performed in both cuvette and micro mode.
With cuvette measurement function, support kinetic detection.

High-definition 7-inch display
Full touch operation, better experience.



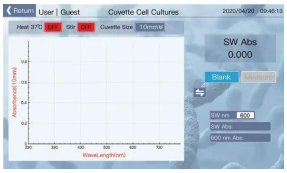
Sample detection platform
(stainless steel and quartz optical fiber) High strength, anti-corrosion.



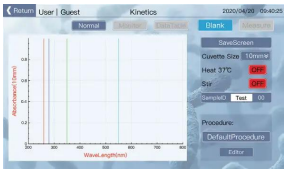
The measuring arm is sturdy and lightweight, exquisite and beautiful.

Dust-proof design
Prevents the backlog of dust from causing inaccurate measurement.

Detection mode
1. Cuvette detection

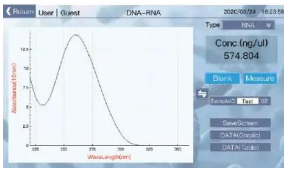


Measure nucleic acid, protein, microbial cell culture and kinetic testing. It provides auxiliary functions of stirring and heating while measuring.



Provide users with an intuitive absorbance change curve, user-defined wavelength points to view the relationship between absorbance changes over time, and 100 kinetic programs can be built in.

2. Micro detection



Nucleic acid detection, micro nucleic acid array, pure protein detection, labeled protein detection, protein quantitative detection, microbial cell culture detection and conventional full-wavelength scanning.

Instructions

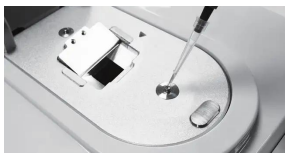
1. Cuvette detection

Raise the sample arm and add the sample to the detection base.

Put down the sample arm and measure the sample according to the software interface.

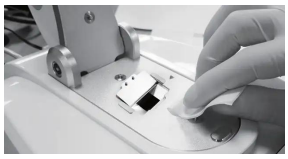
After the test is completed, wipe the measuring platform with dust-free paper to avoid sample residue.

2. Micro detection



Raise the sample arm, add the sample to the detection base.

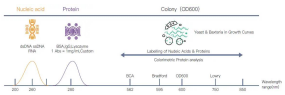
Put down the sample arm and measure the sample according to the software interface.



After the test is completed, wipe the measuring platform with dust-free paper to avoid sample residue.

APPLICATIONS

Ultra-micro ultraviolet-visible spectrophotometer is a very important analytical instrument, whether in the fields of scientific research such as physics, chemistry, biology, medicine, materials science, environmental science, or in modern chemical engineering, medicine,
environmental testing, metallurgy Production and management departments, Ultra-micro ultraviolet-visible spectrophotometer have a wide range of important applications. Ultra-micro ultraviolet-visible spectrophotometer is to use spectrophotometry to quantitatively and qualitatively analyze substances, and is often used for nucleic acid, protein quantification and cell culture detection; Ultra-micro ultraviolet-visible spectrophotometer is already a conventional instrument in modern molecular biology laboratory.



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