

ND-100/100C

Ultra-micro ultraviolet-visible spectrophotometer

ND-100

USB can connect the printer



ND-100C

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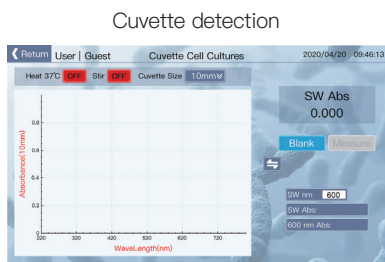


Introduction

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.

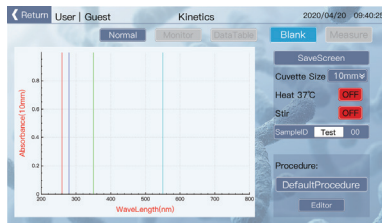
Detection mode

Cuvette detection (ND-100C)



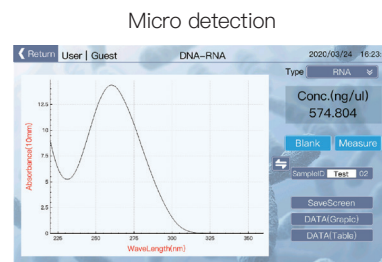
Measure nucleic acid, protein, microbial cell culture and kinetic testing. It provides auxiliary functions of stirring and heating while measuring.

Kinetic testing



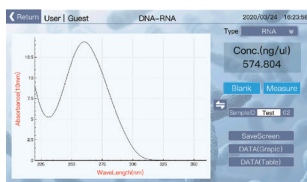
Provide users with an intuitive absorbance change curve, user-defined wavelength points to view the relationship between absorbance changes over time, and 100 kinetic programs can be built in.

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.

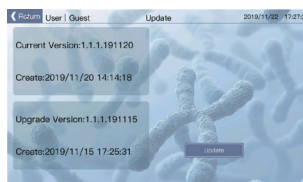
Software function introduction



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

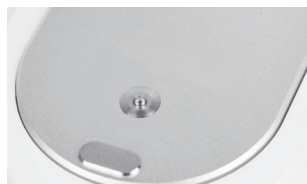


User interface
Multi-user independent detection and independent management

Details



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



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



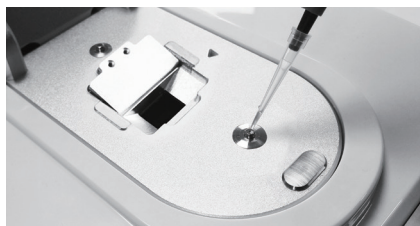
The measuring arm is sturdy and lightweight, exquisite and beautiful.



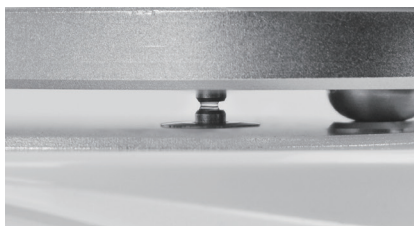
Dust-proof design
Prevents the backlog of dust from causing inaccurate measurement.

Instructions

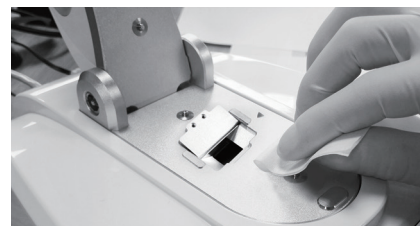
Micro detection



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

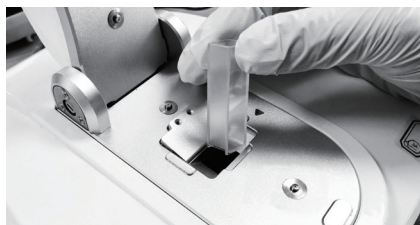


Put down the sample arm and measure the sample according to the software interface.



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

Cuvette detection(ND-100C)



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

Features

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 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.

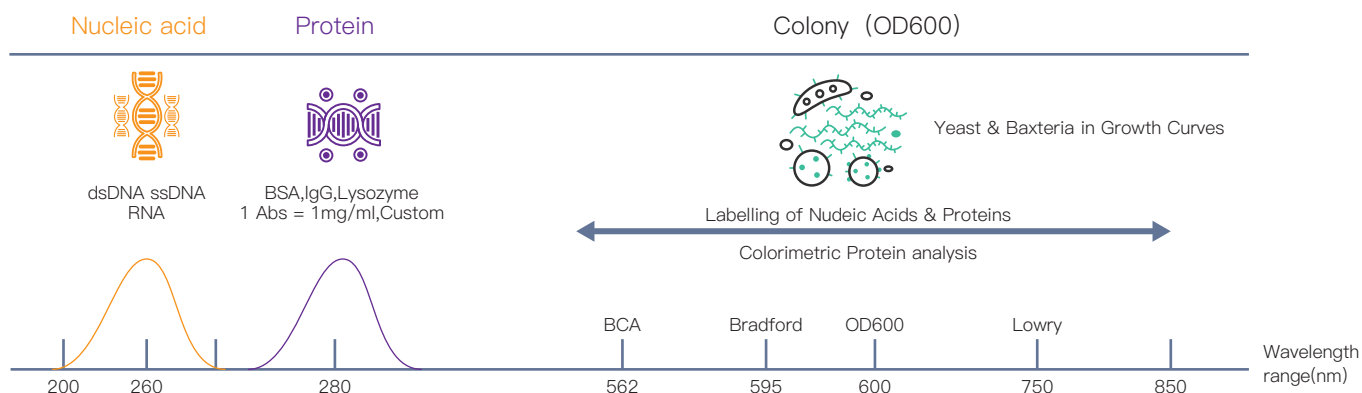
By forming a liquid column, the sample required for one test is as low as 0.5ul.

Colony detection can be performed in both cuvette and micro mode.

With cuvette measurement function, support kinetic detection. (ND-100C)

Application

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.



Parameter

Model	ND-100/100C	Light absorption accuracy	0.002Abs (1mm)
Test sample capacity	0.5-2μl	Absorbance accuracy	1%(0.76Abs at 256nm)
Light source	Xenon lamp	Detection concentration range	2~15000ng/μl(dsDNA)
Detector	2048 linear CCD array	Sample base material	304 stainless steel and quartz optical fiber
Optical path	≤0.7mm	Measure time	About 5s
Wavelength range	200-850nm	Power	20W
Wavelength accuracy	<1nm	Power Adapter	12V , 5A
Wavelength resolution	≤2nm	Dimensions	W.197xD.327xH.181mm
Light absorption range	0.04~300Abs (10mm)	Net weight	3.1kgs

Model	ND-100C	Heating range of cuvette	37±0.5°C
Cuvette specifications	12.5mm(L)x12.5mm(W)x45mm(H)	Stirring speed of cuvette	High and low two modes
Cuvette optical path length	10, 5, 2, 1mm	Detection concentration range of cuvette	0.2-750ng/ul(dsDNA)
Cuvette beam height	6mm	Light absorption range of cuvette	0.004~25Abs (10mm)