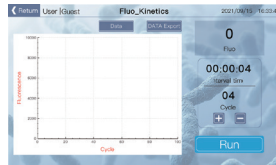


## Interface display



Main Interface



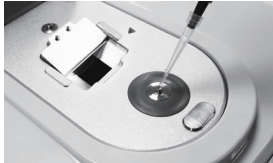
Measurement interface

Data Table

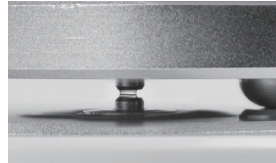


Set interface

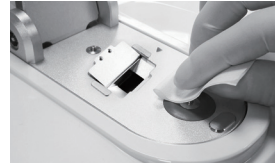
## Operating instructions



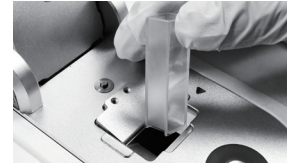
Lift the sample arm and add the sample to the detection base.



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



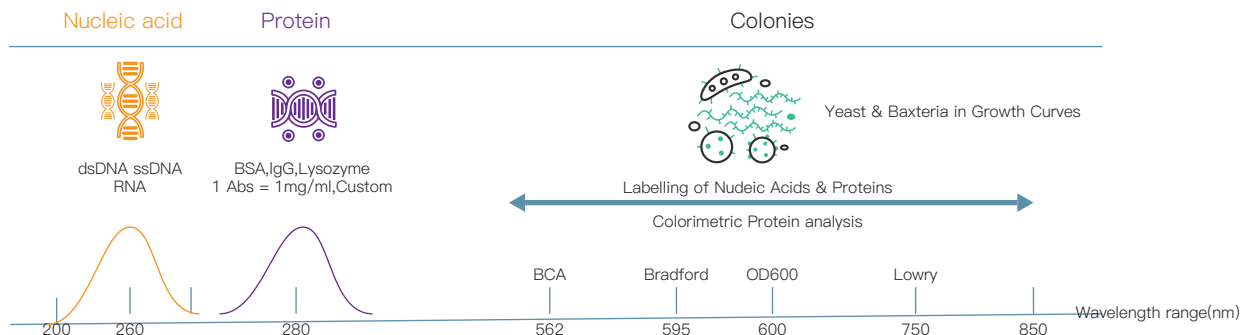
After the test is completed, clean the measuring platform with dust-free paper to avoid sample residue



Cuvette measurement: Put the cuvette into the cuvette slot and cover the measuring arm to test

## Application range

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.



## Technical parameter

Model	ND-100F	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.197×D.327×H.181mm
Light absorption range	0.04~300Abs (10mm)	Net weight	3.1kgs

### Cuvette detection parameters

Specification of cuvette	L.12.5xW.12.5xH.45mm	Measurement time	About 2 seconds
Optical path length of cuvette	10, 5, 2, 1mm	Mixing speed of cuvette	High and low modes
Cuvette beam height	6mm	Cuvette detection concentration rang	0.2~750ng/μl(dsDNA)
Heating range of cuvette	37±0.5°C	Light absorption range of cuvette	0.004~25Abs (10mm)
Memory capacity	8G	Operating system	Linux

### Fluorescence detection parameters

Sampling range	1~20ul	Detector type	Photodiode
Measurement time	About 3 seconds	Excitation channel	Blue light: 430nm~495nm
Dynamic range	5 orders of magnitude	Transmission channel	Green light: 510nm~580nm
Light source	Monochrome LED	Number of stored sample results	> 1000, can be exported via USB flash disk