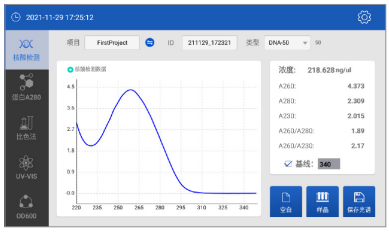
NanoOne Microspectrophotometer

· Sample pedestal

· Drop sample

· Detection result



Features

- Friendly Android operation system, 7-inch touched screen
- Cuvette slot available for bacteria/microbe concentration test
- Measurement without dilution, test result display and read easily
- Long life's Xenon flash lamp,10^9 flashes.
- Reliable and quick data USB output for analysis
- No computer required for measurement and data storage
- Image and excel table can be output
- External printer is optional
- Only 0.5 ～ 2μl sample volume requested, which can be recycled after test, ideal for precious samples

Product parameters

Model	NanoOne	Sample pedestal	304 Stainless steel and Quartz fiber	Measurement Time	< 6S
Sample Volume	0.5~2.0μl	Light Source	Xenon flash lamp	Data Export	USB
Absorbance Accuracy	±1%（7.332 Abs at 260nm）	Path Length	0.05mm、0.2mm、1.0mm	Power Adaptor	12V 4A
Wavelength Accuracy	±1nm	Detector	2048 -element linear silicon CMOS array	Standby Power	5W
Absorbance Precision	0.002Abs	Spectral Resolution	≤ 1.5nm（FWHM @ Hg 253.7nm）	Weight	3.5kg
Dimension（W×D×H）	270×210×196（mm）	Operation System	Android	Power	48W
Absorbance Range (equaled 10mm)	0.02-300A; Cuvette (OD600):0~4A				
Wavelength	180-910nm； cuvette (OD600):600±8nm				
Nucleic Acid Range	2~15000ng/ul（ds DNA）				
Protein Detection Range	BSA 400mg/ml； IgG 290mg/ml				

NanoOne-plus MicroSpectrophotometer

Features

- 7-inch touched screen, Android system with friendly UI design
- Quick detection (only takes time of 2-6s), no dilution needed
- Auto-detection function is available
- No need to preheat instrument, measurements can be done upon turning on
- Long life's Xenon flash lamp,10^9 flashes
- Good repeatability due to accurate pathlength control
- Heating up to 37°C , stirring speed 100-900rpm for cuevette measurements
- Only 0.5 ～ 2μl sample volume requested, which can be recycled after test, ideal for precious samples
- Fluorometer measurement, strong specificity, high sensitivity can make it detect low concentration samples like dsDNA、Oligo、RNA、 protein, down to 0.5pg/μl（dsDNA High Sensitivity）
- Built-in printer
- easurement results can be exported to U disc in format of Excel、JPG

Product parameters

Model	NanoOne-plus	Absorbance Precision	0.002Abs (1mm WaveLength)	Detector	2048 -element linear CMOS array
Sample Volume	0.5ul~2ul, advice 2ul	Absorbance Accuracy	±1%（7.332 at 260nm）	Power Adaptor	DC12V 4A
Wavelength Range	180~910nm	Measurement Time	<6s	Power	48W
Wavelength Accuracy	±1nm	Path Length	0.03mm、0.05mm、0.2mm、1mm、1.2mm	Dimension (W×D×H)	270×210×196 mm
Spectral Resolution	≤ 1.5nm（FWHM@ Hg 253.7nm）	Light source / Life	Xenon / Flashes >10^9	Weight	3.8 kg
Absorbance Precision	0.02300(260nm , equals to 10mm Wavelength)		Concentration Range	2ng/ul dsDNA 30000ng/ul dsDNA	

OD600	Absorbance Range	0~4.000 Abs	Fluorometer	Sample Volume	1-20μl
				Measurement Time	3s
	Absorbance Stability	[0,3）≤ 0.5%, [3,4）≤ 1.5%		Concentration Range	0.01ng/μl-120ng/μl dsDNA HS 0.2ng/μl-2000ng/μl dsDNA BR 0.05ng/μl-240ng/μl Oligo 0.1mg/ml-20mg/ml proteinBR
	Absorbance Repeatability	[0,3）≤ 0.5%, [3,4）≤ 1.5%		Repeatability	< 1.5%
				orders of magnitude of concentration	5
	Absorbance Accuracy	[0,2）≤ 0.005A,[2,3）≤ 1%,[3,4）≤ 2%		Linear dynamic range	$R^2 \geq 0.995$
				Light Source	LED
	Heating up	37℃		Excitation wavelength	470/625 (Standard) 365/525 (Optional)
	Stirring speed	100-900rpm		Emission	525/690 (Standard) 460/620 (Optional)

FD-100 Fluorometer

Introduction

Fluorescent Immunoassay technology has strong specificity, high sensitivity and good practicability, which is widely used to measure nucleic acids (dsDNA, Oligo, RNA), proteins (enzymes, receptors, antibodies), hormones, drugs and microorganisms and other low concentration bioactive compounds.

FD-100 fluorometer is based on fluorescence immunoassay technology and the principle that the fluorescence intensity is proportional to the concentration at low concentrations, and to analyze samples qualitatively and quantitatively by detecting fluorescence intensity.

Features

- 7-inch color touch screen, easy to operate
- Only 3s to detect the sample concentration
- The minimum detection concentration can be 0.5pg/ μ L
- Dual channels for detecting two kinds of fluorescence simultaneously
- The response range can reach 5 orders of magnitude
- It works for most reagents
- Store up to 10000 pieces of data, which can be exported through U disk or printer.

Product parameters

Model	FD-100	Light Source	Monochrome LED
Sample Capacity	1	Detector	photodiode
Sample Volume	1-20μl	Display	touch screen display
Tube Type	0.5ml PCR tube	Programs stored	10000
Channel number	2	Data Export	U Disk
Measurement Time	3s	Data Format	CSV PDF
Repeatability	< 1.5%	Data Interface	USB(Type A)*2 USB(Type B)*1
Calibration Method	2 or 3 point calibaration	Power adapter	100-240V@50-60Hz
Response range	Five orders of magnitude	Voltage	DC12V 2A
Linearity	$R^2 \geq 0.995$	Net. Weight	1.0Kg
Excitation wavelength	470/625（standard） 365/525（optional）	Power	4.5W
Emission wavelength	525/690（standard） 460/620（optional）		
Concentration Range	0.01ng/μl-120ng/μl dsDNA HS 0.05ng/μl-240ng/μl Oligo	0.2ng/μl-2000ng/μl dsDNA BR 0.1mg/ml-20mg/ml protein BR	