NanoAccu/NanoAccu S MicroSpectrophotometer

Features

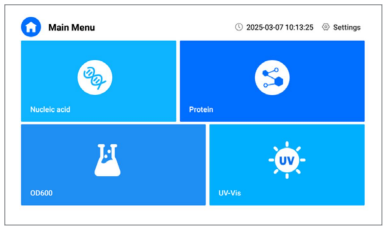
- 7-inch touched screen, Android system with friendly UI design
- Quick detection (only takes time of 2-6s） , no dilution needed
- Auto-detection function is available
- No need to preheat instrument, measurements can be done upon turning on
- Long life's Xenon flash lamp,10^9 flashes
- Good repeatability due to accurate pathlength control
- Heating up to 37°C , stirring speed 100-900rpm for cuvette measurements
- Built-in printer
- Only 0.5 ～ 2μl sample volume requested, which can be recycled after test, ideal for precious samples
- Measurement results can be exported to U disc in format of Excel、JPG
- Auto-Calibration: Newly upgraded software supports function of "Auto-Calibration" enable users calibrate instrument easily without returning back to factory

Optional functions

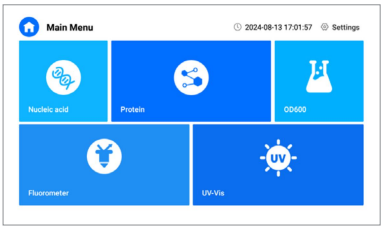
- Three-level authority management and audit trail.
- PC software is optional, support data checking, saving on computer.
- Updated function of identify contaminants: in nucleic acid and protein samples and reports corrected concentrations (such as phenol , guanidine salts, isothiocyanateand etc.)

Detection result

· NanoAccu



· NanoAccu S



- 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）

Product parameters

Model	NanoAccu	NanoAccu S
Sample Volume	0.5μl~2μl, advice 2μl	
Wavelength Range	180~910nm	
Nucleic Acid Range	dsDNA：2~37500ng /μL， ssDNA：1.32~24750 ng/μL， RNA:1.6~30000ng/μL RNA	
Protein Detection Range	A280: 0.04~750mg/ml BSA: 0.06~1119mg/ml IgG: 0.03~547mg/ml Lysozyme:0.015~284mg/ml	
Absorbance Range (equaled 10mm)	0.04-750 (260nm , equals to 10mm pathlength)	
Path Length	0.02mm、0.03mm、0.1mm、0.2mm、1mm	
Wavelength Accuracy	±1nm	
Wavelength Precision	±0.2nm	
Absorbance Precision	0.002Abs(1mm pathlength)	
Spectral Resolution	≤ 1.5nm（FWHM @ Hg 253.7nm）	
Absorbance Accuracy	±1％（7.332 at 260nm）	
Light source / Life	Xenon / Flashes >10^9	
Detector	2048 -element linear CMOS array	
Sample pedestal	304 Stainless steel and Quartz fiber	
Measurement Time	< 6S	
Power of work/stand by	48W/ < 6.5W	
Weight	4.1 kg	4.2 kg
Dimension（W×D×H）	300x232x196mm	
Power Adaptor	DC12V 4A	
OD600		
Absorbance Range	0~4.000 Abs	
Absorbance Stability	（0,3）≤ 0.5%, [3,4）≤ 1.5%	
Absorbance Repeatability	（0,3）≤ 0.5%, [3,4）≤ 1.5%	
Absorbance Accuracy	（0,2）≤ 0.005A,[2,3）≤ 1%,[3,4）≤ 2%	
Heating up	37℃	
Stirring speed	100-900rpm	
Fluorometer		
Sample Volume	---	1-20μl
Measurement Time	---	3s
Repeatability	---	< 1.5%
Linear dynamic range	---	$R^2 \geq 0.995$
orders of magnitude of concentration	---	5
Sensitivity	---	0.5pg/μl dsDNA
Light Source	---	LED
Excitation wavelength	---	470/625 (Standard) 365/525 (Optional)
Emissionwavelength	---	525/690 (Standard) 460/620 (Optional)
Concentration Range	---	dsDNA HS：0.005~120ng/μl、dsDNA BR：0.2ng~2000ng/μl、Oligo：0.01~240ng/μl RNA：0.2ng~200ng/μl、MicroRNA：0.025~150ng/μl 、Protein：12.5μg/ml~5mg/ml Protein BR：0.1~20mg/ml