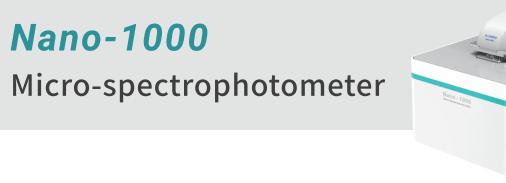
ALLSHENG



The Nano-1000 micro-spectrophotometer is a full-wave-length micro-spectrophotometer that can provide ultraviolet/visible light absorption detection. It is suitable for enterprises and research institutions that need to measure a large number of nucleic acid or protein samples. The Nano-1000 inherits the design concept of the company's Nano series products and also has OD600 and single-tube fluorescence detection functions.

The instrument is equipped with a 10-inch high-resolution touch screen as standard. It can complete the detection of a single sample in about 8 seconds. The test results can be quickly viewed without connecting to a computer. It can also be optionally equipped with software that complies with the US FDA 21 CFR to achieve audit traceability of data results.

Product Features

01 Convenient Operation

10-inch touch screen, Android system, no need to connect to an additional computer.

03 Performance Improvement

It can detect wavelengths in the range of 190 - 1100nm, and the maximum detection concentration can reach 15000ng/ μ L (DNA).

05 Sample Monitoring

Built-in camera for quickly judging the formation of the liquid column.

02 Fast Detection

Results can be obtained within 8 seconds.

04 Free Sample Loading

Samples can be loaded for detection with either hand.

06 Human-Computer Interaction

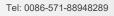
Log in to the instrument software through the face recognition function.

Specification

Micro Detection	Sample Volume	0.5-2μL
	Light Source	Xenon flash lamp
	Optical Path	0.075mm、0.2mm、1mm
	Detector	2048-element linear CMOS array
	Wavelength Range	190-1100nm
	Wavelength Accuracy	±1nm
	Wavelength Resolution	≤1.5nm (FWHM@Hg253.652nm)
	Absorbance Repeatability	0.002A (1mm optical path, SD)
	Absorbance Accuracy	3% (0.97 A, 302 nm, 23±2 °C)
	Absorbance Range	0.04-300A
	Nucleic Acid Detection Range	2-15000ng/μL (dsDNA)
	Test Time	About 8s/sample
OD600 Detection	Absorbance Range	0 to 4.000 Abs
	Absorbance Stability	[0,3) < 0.5%; [3,4) < 2%
	Absorbance Repeatability	$[0,3) \le 0.5\%; [3,4) \le 2\%$
	Absorbance Accuracy	$[0,2) \le 0.005A; [2,3) \le 1\%; [3,4) \le 2\%$
Fluorescence Detection	Linearity	R ² >0.995
	Linear Range	5 orders of magnitude
	Sensitivity (Limit of Detection)	$<$ 0.1 pg/ μ L (dsDNA HS)
Others	Dimensions	262×367×340 mm
	Weight	6.6kg

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