BS-NANO-800

MICRO VOLUME SOECTROPHOTOMETER



The BS-NANO-800 is a full-wavelength (190–850 nm) ultra-micro spectrophoto meter that does not require a computer for operation. It provides fast and accurate detection of nucleic acids, proteins, and cellular solutions.

The BS-NANO-800 is also equipped with a cuvette mode for the detection of bacteria and other cultures, with detection limits as low as 0.5 ng/µL (dsDNA).

Features

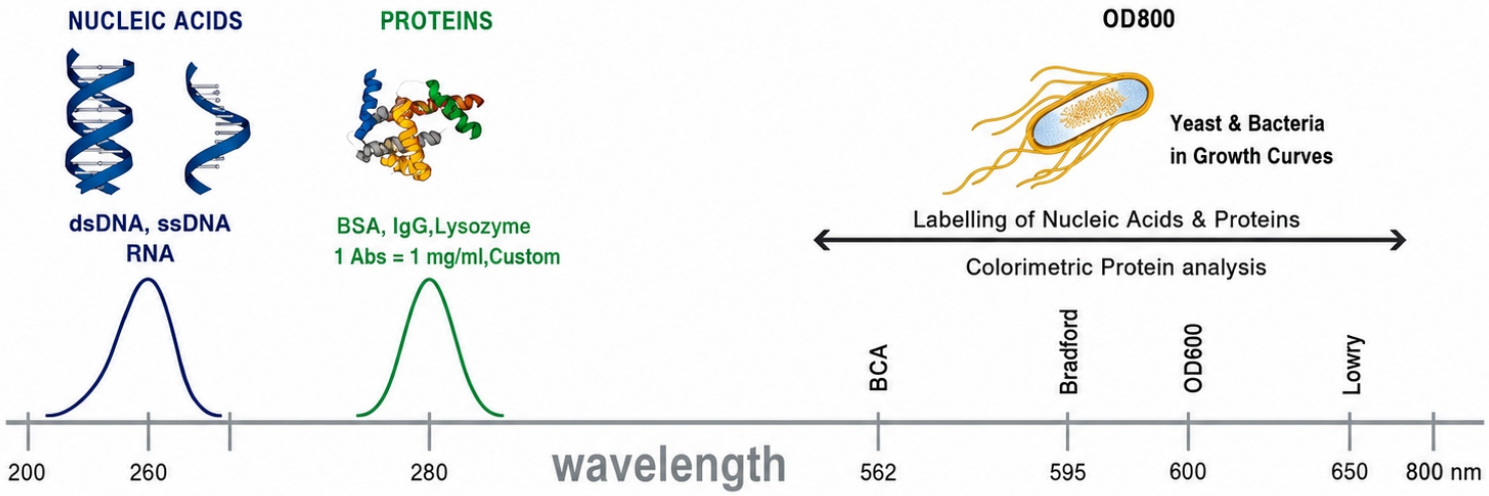
- Fluorescence function
- LED light source
- With OD600 bacterial solution, microbial detection
- Sample without dilution
- Three optical path detection technology is used
- The android operating system
- Built-in printer
- Strong repeatability and high linearity

Technical Parameters

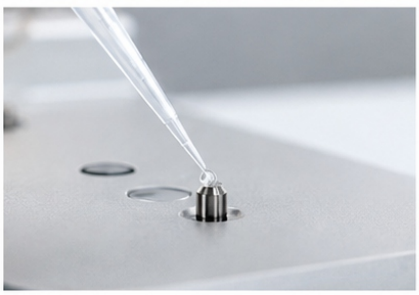
Model	BS -NANO-800
4 light course	0.02mm,0.05,0.2mm,1.0mm
Detector	HAMAMATSU UV Enhanced CMOS LINE Array SENSING
Fluorescence Sensitivity	DsDNA: 0.5pg/µl
Fluorescence Linearity	≤1 .5%
Wavelength range	(190nm -850nm)
Sample Volume Requirements	0 .5~2ul
OD600 Absorbance stability	0,3≤0.5%, 3.4≤2%
OD600 Absorbance accuracy	0,2≤0.005a 2,3≤1% 3,4≤2%,
OD600 Repeatability of absorbance	0,3≤0.5%, 3.4≤2%
OD600 absorbance range	0~6.000Abs
Absorbance accuracy	1%(7 .332Abs at 260nm)
Spectral resolution	<1nm
Photometric accuracy	0 .005Aor1%
Wavelength accuracy	within1nm
Wavelength reproducibility	<0 .2nm
Sample wavelength scanning	190~850nm
Base measurement only	0 .5~2ul
Sample base material	Quartz fiber and stainless steel
Detection time	<5S

Standby power consumption	5W
Data output method	USB
Light source	Xenon flash
Power adapter	24V DC
Power consumption	25W
Dimension	W200mm×D260mm×H165mm
Weight	5kg

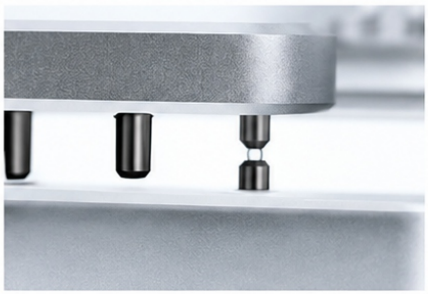
Application



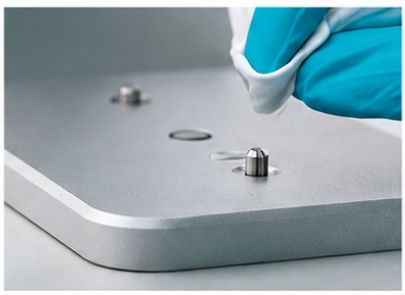
Easy Handling



Adding sample



Measuring sample



Quick and easy cleaning