



NANO SPECTROPHOTOMETER BJT-4601

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MICRO-VOLUME SPECTROPHOTOMETER



Microscale sample testing with a minimum sample volume of 0.3 μL ; supports both ultramicro and cuvette measurement.

Wide detection range, up to 500 times that of a traditional spectrophotometer.

Most samples can be tested directly without dilution.

Direct testing with no warm-up required; suitable for container testing and routine daily testing.

Full wavelength coverage of 190-1100 nm with 1 nm accuracy; automatic wavelength scanning from 190-900 nm.

Compact and portable design, suitable for on-site testing.

Intelligent sensor measurement with no need to press any buttons; test results are displayed automatically.

SPECIFICATIONS

Model	BJN-4601
Wavelength Range	190-900nm
Spectral Bandwidth	
Wavelength Accuracy	1nm
Minimum Sample Size	0.3 μL
Optical Distance	0.02-1 mm continuous optical path, automatic switching
Cuvette Optical Distance	10 mm / 5 mm / 2 mm / 1 mm
Wavelength Resolution	1 nm
Absorbance Accuracy	$\pm 1\%$ (0.76 at 260 nm)
Absorbance Resolution	0.002 Abs (at 1 mm optical distance)
Absorbance Range	0-750 A (10 mm equivalent)
OD600 Absorbance Range	0-4.000 Abs
OD600 Absorbance Stability	[0, 3] $\leq 0.5\%$; [3, 4] $\leq 2\%$
OD600 Absorbance Repeatability	[0, 3] $\leq 0.5\%$; [3, 4] $\leq 2\%$
Nucleic Acid Detection Range	1.5-37,500 ng/ μL (dsDNA), lower limit 1.5 ng/ μL
Protein Detection Range	0.05-1110 mg/mL (BSA), 0.03-540 mg/mL (IgG)
Linearity of Fluorescence Detection	/
Repeatability of Fluorescence Detection	/
Sensitivity	/
Measurement Time	< 3 s
LCD	7-inch touch screen, Android system
Detector	UV-enhanced CMOS linear array sensor
Light Source	Xenon flash lamp, flicker 10^9 times, life up to 10 years
Dimensions (W x D x H)	310 x 221 x 176 mm
Display Language	English and Chinese; other languages can be customized depending on quantity
Alt Name	Micro-Volume spectrophotometer



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada
Email: info@biolabscientific.com | Website: www.biolabscientific.com