

Technical Details

SL NO	Particulars	Micro Volume Spectrophotometer with Cuvette Option
1	Instrument Control	Built-in touchscreen
2	Minimum Sample	Volume 1 μ L
3	Limit of Detection	dsDNA : Pedestal: 2.0 ng/ μ L Cuvette: 0.2 ng/ μ L BSA (IgG) : Pedestal: 0.06 (0.03) mg/mL Cuvette: 0.006 (0.003) mg/mL
4	Maximum Concentration	dsDNA : Pedestal: 27,500 ng/ μ L BSA (IgG) : Pedestal: 820 (400) mg/mL
5	Measurement and Data Processing Time	8 seconds
6	Measurement Repeatability Typical	0.002 A (1.0 mm path) or 1%CV, whichever is greater
7	Wavelength	Range : 190–850 nm Accuracy : \pm 1 nm
8	Photometric Range (10 mm Equivalent)	Pedestal: 0–550 A Cuvette: 0–1.5 A
9	Accuracy	3% at 0.97 A, 302 nm
10	Resolution (Spectral Bandwidth)	1.8 nm (FWHM at Hg 254 nm)
11	Pathlength	0.030 to 1.0 mm auto-ranging
12	Software Capability	1) The instrument should have embedded technical support for contaminant analysis to ensure real time sample quality for downstream applications with instant feedback and report with corrected concentration. 2) Must have an embedded sensor and digital image analysis capability to monitor for bubbles and broken sample columns
13	Light Source	Xenon flash lamp
14	Temperature Control for cuvette only	37 $^{\circ}$ C
15	On-Board Control Operating System	Android
16	Connectivity	Three USB-A ports, Ethernet, Bluetooth and Wi-Fi.
17	Internal Storage	32GB Flash Memory
18	Audio	Built-in Speaker
19	Stirring (Cuvette only)	9 Speeds