

Technical Details

SL NO	Particulars	Micro Volume Spectrophotometer
1	Instrument Control	Built-in touchscreen
2	Minimum Sample	Volume 1 μ L
3	Limit of Detection	dsDNA : Pedestal: 2.0 ng/ μ L BSA (IgG) : Pedestal: 0.06 (0.03) 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
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	On-Board Control Operating System	Android
15	Connectivity	Three USB-A ports, Ethernet, Bluetooth and Wi-Fi.
16	Internal Storage	32GB Flash Memory
17	Audio	Built-in Speaker