

Spectrophotometer

Micro-Volume UV/VIS Spectrophotometer

Features:

- * The uniquely designed sample holder can test a small amount of DNA and protein.
- * Detection is rapid, drop sample - rotation - detection
- * The whole measurement process without light loss, to ensure the accuracy of the results
- * The function can be expanded, and can complete quantitative testing, wavelength scanning, kinetics, multi-wavelength and other functions, and can also be used for conventional colorimetric blood measurement.



Technical Parameters:

Model	BK-CW500
Minimum Sample Capacity	0.2µl
Ultramicro Optical Distance	0.5mm
Detectable Concentration Range	2.5~7500ng/ul(dsDNA)
Min Precise Detect Concentration	10ng/µl (dsDNA)
Max Precise Detect Concentration	5000ng/µl (dsDNA)
DNA reproducibility	< ±1.0 % (dsDNA, @ 1000ng/µl)
Wavelength Range	190~1100nm
Spectral Bandwidth	4nm
Optical System	Grating Double beam
Wavelength Accuracy	±0.5nm
Wavelength Repeatability	0.3nm
Max Scanning Speed	4000nm/min
Photometric Accuracy	±0.5%T or ±0.004A @ 1A
Photometric Range	0~200%T, -0.3~0.3A, 0~9999Conc

Micro-Volume UV/VIS

Application:

Micro-Volume Spectrophotometer and qualitative research by spectrophotometry. It is usually used in quantitative research of nucleic acid, proteins and bacterial concentration.

Features:

- * Most samples don't need dilution
- * Microscale sample test, minimum 0.2µl
- * PC control, more accurate and convenient
- * Ultramicro and cuvette dual platform
- * Wide test area, 100 times of the area of ordinary cuvette
- * Test directly without warming up

Technical Parameters:

Model	BK-CW500
Minimum Sample Capacity	0.2µl
Ultramicro Optical Distance	0.5mm
Cuvette Optical Distance	10mm
Whole Wavelength	190~1100nm
Scanning Wavelength	4nm
Wavelength Accuracy	±0.5nm
Wavelength Resolution	0.3nm
Absorbance Accuracy	±0.5%
Absorbance Resolution	0.0001
Absorbance Range	0~200%T, -0.3~0.3A, 0~9999Conc
Test Accuracy	±0.5%T or ±0.004A @ 1A
Test Time	10s