

Cecil GeneQuest Spectrophotometer



Dedicated to Molecular Biology

The GeneQuest Analyser is a spectrophotometer dedicated to the requirements of the Molecular Biology Laboratory. Fully programmed methods include those for RNA, ds DNA, ss DNA, oligonucleotide primer, proteins, bacterial growth and cell culture measurements and molecular calculations, including theoretical thermal melt.

Simplicity of Operation

Insert the reference, press ZERO, then insert the sample and press RUN to obtain a fully documented report complete with header, sample number and space for the operators name etc. Operation could not be more simple. Operators may create and store up to 30 of their own methods with the method storage option.

Automatic Wavelength Selection

All the fully programmed methods are selected from a menu and displayed with headers, prompts and details on the large display screen on which information may be scrolled for viewing. All wavelengths for any given assay are automatically selected and measured. Results are displayed on the screen and a printout, timed and dated, is available on an external printer, or an internal printer in the case of the CE2302.

Wavelength Range	190-370nm, 595 and 600nm
Wavelength Accuracy	±1nm
Wavelength Reproducibility	±0.1nm
Wavelength Calibration	Automatic at switch on
Wavelength Selection	Automatic for assay selected
Monochromator	Littrow 1200 l/mm holographic grating
Optical Bandwidth	4nm
Straylight	Less than .02% at 280nm (Acetone)
Photometric Range	0-3 Absorbance
Photometric Linearity	±1% or ±0.005, whichever is greater
Stability	Better than 0.001A/hr. at 240nm constant T.
Real Time Clock	Timed and dated reports
Light Source	Deuterium lamp with life indicator
Printer Output	Centronics parallel port
Power Requirements	100-240V, 50/60Hz, 100W
Size and Weight	450 x 340 x 205, 18Kg, (18.9kg printer version)

CE 2301 Analyser
190-370nm, 595 and 600nm
4nm optical bandwidth

CE 2302 Analyser
190-370nm, 595 and 600nm
4nm optical bandwidth
With integral printer