

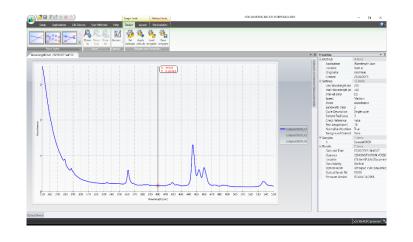


Resolution Spectrophotometer PC Software

Resolution PC Software is an easy to use software platform with powerful modules for measurement and analysis. Resolution can be used with your Biochrom Ultrospec, Novaspec, GeneQuant, NanoVue, Libra or WPA spectrophotometer for instrument control increasing your options for working with your spectrophotometer outside of the lab. Resolution PC Software was developed with an applications focus for superior usability. Resolution PC software can be used with all Biochrom UV/Vis Spectrophotometers (excl. colorimeters).

Four versions for your analysis:

- Resolution Lite data acquisition using a Quick Read module.
- Resolution for all routine measurements.
- Resolution Life Science for nucleic acid, proteins and cell density measurements.
- Resolution CFR if you need full 21 CFR part 11 compliance.



Key Features include:

- Quick Read and Quick Scan for fast measurements with limited setup.
- Bespoke method development for your unique laboratory requirements.
- Powerful graphical data display and manipulation options
- Microsoft look and feel for intuitive use.
- Resolution Life Science version has pre-programmed methods in for fast measurements of commonly methods like protein and DNA/RNA/ quantification and purity measurements as well as cell density measurements and CyDye quantification.
- Library of reference material if your laboratory environment requires regular verification.
- Compatible with Windows® XP, Vista, 7, 8 and 10 (32 and 64bit).
- Save, print or export your analysis as an Excel®, Extended Metafile, HTML, pdf, rich text format, text, Word or XPS file types.





Resolution Software Modules								
Modules	Function	Resolution Lite	Resolution	Resolution Life Science	Resolution CFR			
Quick Read	Perform a quick sample check at a specified wavelength and to determine a quick concentration value using a predefined factor. Allows the user to make fixed wavelength measurements at a single wavelength in Absorbance, % Transmittance or concentration modes.	✓	✓	~	~			
Quick Scan	A basic wavelength scanning application that enables you to perform a quick, qualitative sample check and to monitor sample or assay stability. Wavelength scans can be collected in the range 190 to 1100 nm with options for overlays and post-scan feature detection	~	✓	~	~			
Validation	Allows the user to design and schedule validation tests for their instruments to ensure that they continue to meet the specification required by their application SOP.	5						
Fixed Wavelength	Measure up to 10 user-defined wavelengths with pre and post measurement equations providing flexibility.	×	✓	✓	~			
Wavelength Scanning	Perform wavelength scans in the range 190 to 1100 nm with options for overlays, feature detection and post-scan spectral manipulations	×	✓	✓	~			
Quantitative Analysis	Accurate measurement of sample concentrations against a calibration curve of up to 10 standards and 5 replicates. Pre and post measurement manipulations allow the user to add pass and fail limits to the results.	×	~	1	1			
Kinetics	Perform serial and parallel kinetics measurements of up to 8 samples (using cell changer). The free selection of start and end points and the curve fit allows maximum flexibility.	×	~	✓	~			
Method Developer	Design custom methods. These can include sample prompts and timings as method SOP's and the ability to lock individual method parameters.	×	✓	✓	✓			
Life Science	DNA, RNA & Oligo concentration & purity measurement Protein quantitation via direct UV methods or BCA, Biuret, Bradford, Lowry & Colloidal Gold methods, Cell Density measurement	×	×	✓	~			
21 CFR part 11 compliance	Ability to set up different users as part of defined groups. Audit trail. Electronic signature	×	×	×	✓			





Resolution Ordering information and Instrument Compatibility								
	Part number	Libra S4+/S6+ WPA S800+/S1200+ Novaspec III+/Pro	Libra S21/S22 Ultrospec 2100 Ultrospec 7500	Libra S50/S60 S70/S80 Ultrospec 7000/8000/9000	WPA Lightwave II/II+/3 Biowave II/II+/3 GeneQuant 100/1300 NanoVue Plus	WPA Biowave DNA		
Resolution Lite	80-7100-30	Yes	Yes	Yes	Yes	Yes		
Resolution	80-7100-31	Yes	Yes	Yes	Yes	Yes		
Resolution Life Science	80-7100-32	Yes	Yes	Yes	Yes	Yes		
Resolution CFR	80-7100-33	Yes	Yes	Yes	Yes	Yes		