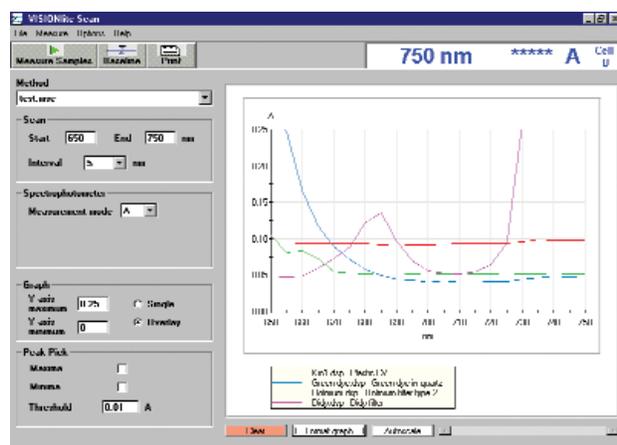# VISION*lite*™
Basic PC Software for
UV-Vis Spectrophotometers

VISION*lite*™ Software adds a new dimension to the Thermo Spectronic line of stand-alone UV-Visible spectrophotometers. The combination of the user-friendly Windows®-based package with the power and versatility of the GENESYS™, Helios series, AquaMate and BioMate™, provides a wide range of data handling, recording and processing capabilities for performing full spectral scans, kinetics, single and multi-wavelength, and standard curves analyses. The following are descriptions of the invidual functions available in this software package:
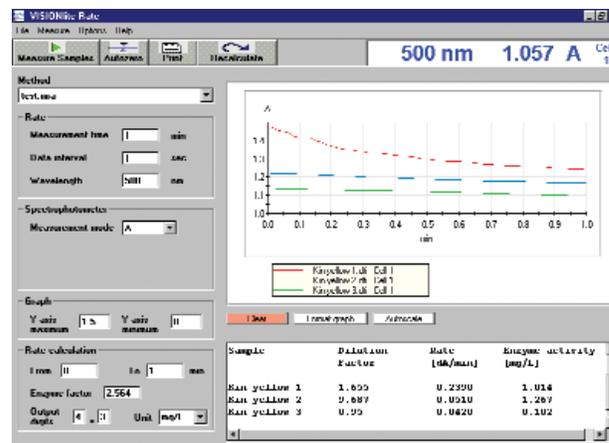
Scan

The Scan application records a spectrum of your sample for measurement or characterization. Scan options include: a selectable wavelength range which allows you to see the full sample spectrum and/or to investigate a specific section of the spectrum; peak pick which identifies the wavelength peaks or valleys for subsequent fixed-wavelength analysis (e.g., Rate

or Standard Curve); absorbance or transmittance measurement; up to 13 spectral overlays to compare different samples or changes in a sample; auto scaling; data saving, and data file exporting so you can present or store your data the way you want.
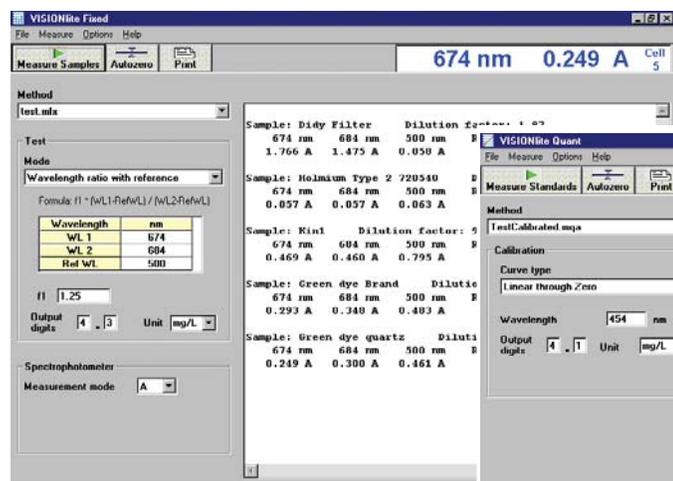
Rate

The Rate application measures the change in your samples at a specific wavelength over a period of time. Rate capabilities include measurements of up to 100 samples for faster batch analyses; up to 13 graph overlays for comparison purposes; automatic enzyme activity calculation for accurate and error-free results; data rescale that allows you to calculate your results on the best data; automatic data storage to ensure that data is saved; and import and export of results for further manipulation and presentation.

Fixed

The Fixed application performs measurements from one to 31 wavelengths to analyze multiple components in the sample, or to precisely monitor complex changes. For example, absorbance ratio and absorbance difference analyses can be performed with a reference wavelength for automatic correction of a shifting background absorbance. This is particularly useful for DNA or turbid sample analyses. Results can be automatically stored and/or exported for further analysis.

Quant

The Quant application measures sample concentrations based on either a standard curve or by an entered calibration factor. The standard curve graph and tabular data, along with calibration curve parameters (slope, intercept) are viewed on one screen to assure the accuracy of your standards and the chemistry. Optional parameters include 4 curve-fit options that provide fits for non-linear standard curves; measurement of up to 20 standards for increased reliability of standard curve; display of data with a choice of 11 pre-programmed units, auto data save and data exports.
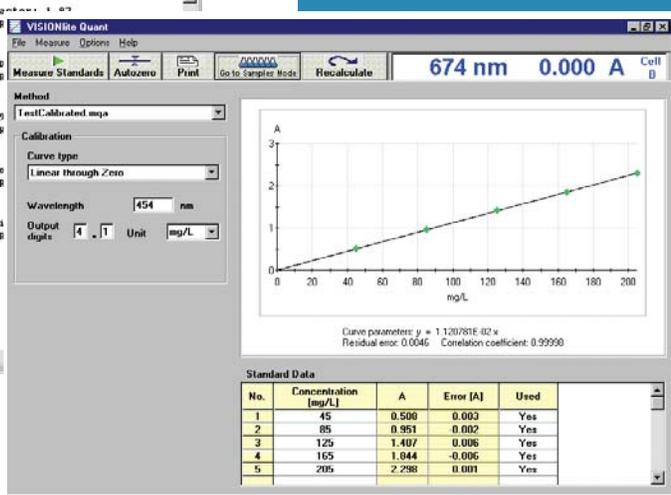
System Requirements

VISION*lite*™ supports the following Thermo Spectronic Vis and UV-Visible spectrophotometers: GENESYS, Helios, Biomate and AquaMate.

The software requires a standard PC with a 32-bit Microsoft® Windows® operating system (Windows 95, 98, 2000, NT or XP) and an RS232 cable.

Ordering Information

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Thermo Spectronic