

Install and start collecting your data

The UNICO Application Software expands your applications, assists in your data documentation and provides complete control of the spectrophotometer from a computer.

Applications include:

1. Abs./ %T/Conc.
2. Standard Curve (Quantitative)
3. Kinetics (Abs. vs Time)
4. Scanning (with advanced software package #S2100-402)
5. DNA/Protein



Abs/%T/Conc

Measure absorbance, transmittance or concentration with standard or known factor.

Quantitative (Standard Curve)

Use up to 8 standards to establish standard curve. Four methods for fitting a curve:

1. Linear fit
2. Linear fit through zero
3. Square fit
4. Segmented

Kinetics (Abs vs. Time)

The Kinetics mode may be used for time course scanning or reaction rate calculations. Abs. vs. time graphs is displayed on the screen in real time.

Wait time, measurement time and time intervals may be entered.

DNA/Protein

Concentration and DNA purity are calculated: Absorbance ratios 260nm/280nm with optional subtracted absorbance at 320nm.

DNA Concentration = $62.9 \times A_{260} - 36.0 \times A_{280}$

Protein Concentration = $1552 \times A_{260} - 757.3 \times A_{280}$

Other wavelengths and factors may be entered.

