

# Data Collection and Analysis Software



## Flexible Choice of Software for Biochrom Asys Microplate Readers

A range of software is available for Biochrom Asys microplate readers for reader control and data analysis. Software upgrades enable the user to integrate sophisticated analysis during data collection

### MikroWin™ 2000

- Premier offering from Biochrom: sophisticated Windows-based data collection and analysis program
- Screening Wizard guides user through basic analysis options
- Powerful analysis options use a multiple layer matrix calculation system which allows the most complicated test formula to be broken down into a step by step process
- Up to 12 different assay tests may be defined on one microplate
- Regulatory compliance with FDA 21 CFR Part 11 and optional LIMS module

#### SCREENING

Control history is tabulated to track assay performance across multiple plates. Qualitative results can be assigned with 10 different categories.

#### CURVE-FITTING

Quantitative analysis with a broad range of curve-fitting functions: Point to Point, Spline, Linear Regression, 4-Parameter, Polynomial Regression and Logit Log. Charts are configurable: linear or logarithmic scale of x and y axes, chart and data series options.

#### KINETICS

Comprehensive offering of data reduction algorithms. Real-time analysis and measurement of data from kinetic experiments. Specific wells can be selected for detailed examination during experiment.

#### SCANNING

Use for wavescans to determine absorbance of a sample across a range of wavelengths. Performs linear and area scans within wells for measuring wells with uneven distributions.

### DigiRead

- Used to control the reader remotely to make basic measurements of 96-well microplates
- Data can be exported as a matrix to analysis software
- Supplied as standard with all Biochrom Asys microplate readers

### ScanPlus

- Performs wavescan measurements across a single well
- Measurements of microwell plates with a range of footprints: 9, 12, 24, 48 and 96-well microplates
- Data can be exported as a matrix or a table to analysis software
- Supplied as standard with the Biochrom Asys UVM340

### KIM

- Easy to learn yet powerful data collection and analysis program covering all end-point assay requirements for 96-well plates.
- Quantitative and qualitative tests are easily defined.
- Advanced calculations are possible including curve fitting algorithms, 4-parameter and spline.
- Report generator gives complete freedom to design customized reports

### Comparison of Asys Software Features and Options

	MikroWin	KIM	ScanPlus	DigiRead
Instrument control	✓	✓	✓	✓
96-well plates	✓	✓	✓	✓
384-well plates	✓		✓	
Multiple microwell formats	✓		✓	
Data export	matrix or table	matrix or table	matrix or table	matrix or table
Screening wizard	✓			
Curve-fitting				
Linear regression	✓	✓		
Cubic spline	✓	✓		
Smoothed cubic spline	✓			
4-Parameter	✓	✓		
Point-to-point	✓	✓		
Logit-Log	✓	✓		
Parabola	✓	✓		
Polynomial regression	✓			
Log x axis	✓	✓		
Log y axis	✓			
Test validation	✓	✓		
Replicate rejection	✓	✓		
Threshold/ cut-off calculation	✓	✓		
Wavescan	optional			
Well scan	optional (linear & area)		✓	
Kinetics data reduction	optional	✓		
Barcode tracking	✓			
21 CFR Part 11 Compliance	✓			
LIMS system	optional			
Control history plate to plate tracking	✓			
Supplied with instrument	optional	optional	UVM 340	standard

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### ORDERING INFORMATION

SK010169	<b>KIM</b>
SK010180	<b>MikroWin 2000 (screening and curve fitting)</b>
SK010181	<b>MikroWin 2000 (screening, curve fitting and kinetics analysis)</b>
SK010196	<b>MikroWin 2000 (screening, curve fitting, scanning and kinetics analysis)</b>

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