

The Expert 96 is a fast, filter-based, 8 channel absorbance reader ideal for labs requiring simple, rapid readings of 96-well microplates

Biochrom[®] Asys Expert 96

Microplate Reader



Key Features

- Four wavelength filters supplied as standard (405, 450, 492, 620 nm)– suitable for the most common ELISA assays
- Fast plate reading of 5 seconds per plate – suited for high-throughput applications
- Remotely operated via an PC
- Single or dual wavelengths measurements
- Timed interval readings – ideal for kinetic assays
- Lamp calibration performed prior to each reading– ensures accurate reading data
- QC plate and QC software available for instrument validation
- Four shaking modes – for complete mixing of solutions and more reproducible results.
- Data can be exported as a matrix into analysis software packages
- UV option for is measurements at 340 nm for applications such as NADH assays
- Additional filters from 400 up to 750nm can be purchased for more specialized assays

Software

The Expert 96 is supplied with:

- **DigiRead**
Controls the plate reader and collects the data to the Windows[®] clipboard for transfer to a spreadsheet

OPTIONAL SOFTWARE PACKAGES

- **KIM**
Easy to learn yet powerful data reduction package covering all end-point assay requirements for 96 well plates.
Complete flexibility for advanced users
Report generator gives complete freedom to design customized reports

Applications

- Absorbance measurement: ELISA, total protein, cell proliferation and cell survival assays
- Cell-based assays requiring shaking where cells need to stay in suspension
- Assays requiring readings at timed intervals
- Kinetic studies requiring fast plate reading

TECHNICAL DETAILS

Biochrom Asys Expert 96 Microplate Reader

Speed	5 seconds for a 96 well plate
Microplate format	Flat, round and V-bottom 96-well plates with standard ANSI SBS footprint
Light source	50W Tungsten halogen lamp
Detection system	8 silicon diodes for measurement
Measurement system	8 channel optical system with automatic calibration and digital light control
Measurement range	0.000 OD to 4.000 OD
Operation	Remotely operated via a PC
Accuracy	+/- 1% from 0.1 to 2.5 OD
Reproducibility	+/- 0.5% from 0.1 to 2.5 OD
Linearity	+/- 0.5% and 0.005 OD from 0.1 to 2.5 OD at 492 nm
Shaking	4 modes selected by user
Data output	RS232C bidirectional
Power	90-250V 50.60Hz, 80VA
Dimensions (wxdxh)	27 x 43 x 24cm (10.6"x 16.9"x 9.4")
Weight	12Kg (22lbs)

ORDERING INFORMATION

	Biochrom Asys Expert 96 Microplate Reader	Biochrom Asys Expert 96 UV Microplate Reader
Instrument only	G018065090	G018066090
With KIM Software	G180685010	G018066010
With MikroWin 2000 Software (screening and curve fit modules)	G018065060	G018066060
With MikroWin 2000 Software (screening, curve fit and kinetics modules)	G018065070	G018066070
Asys Quality Control Plate with WinQC software	SG010160	

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