

The MultiRead[®] 400 is a fast stand-alone, filter-based, multi-channel absorbance reader with onboard measurement and analysis software

Biochrom[®] Anthos MultiRead 400

Microplate Reader



Key Features

- Standalone instrument with onboard software for instrument control and data analysis
- Four wavelength filters supplied as standard suitable for the most common assays. Additional filters from 400 up to 800nm can be purchased for more specialized assays
- Single or dual wavelength measurements
- Kinetics features with integrate data reduction
- Fast plate reading of 5 seconds per plate
- Timed interval readings – ideal for kinetic assays
- Calibration prior to each reading – ensures accurate reading data
- QC plate and QC software available for instrument validation
- Flat, round and v-bottomed 96-well plates enabling flexibility in plate type
- Four shaking modes - ensures complete mixing of solutions,
- Results can be printed using an external printer
- Connects to a PC software to upload and download methods and results

Onboard Software

- Qualitative, quantitative and kinetics, a range of curve-fit methods including linear, parabolic, cubic, point to point, spline and 4 parameter.
- Assay formulas including validation outliers, elimination, transformation factors and floating cut-off
- Stores up to 120 methods and the results of up to 100 plates.

The following PC software is supplied free of charge

- **Kontrol Plus**
Simulates onboard software and allows both methods and measured plates to be uploaded and downloaded to and from a PC.
- **DigiRead**
Controls the plate reader and collects the data to the Windows clipboard for transfer to a spreadsheet

Applications

- Absorbance measurements: ELISAs, total protein, cell proliferation and cell survival assays
- Enzyme kinetics measurements requiring automatic readings at timed intervals

TECHNICAL DETAILS

Biochrom Anthos MultiRead 400

Standard Filters	405, 450, 492, 620 nm
Speed	5 seconds for a 96 well plate for a single wavelength
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
Accuracy	+/- 1% up to 2.5 OD
Reproducibility	+/- 0.5% (0-2.5 OD)
Display	Graphical LCD, backlit 240x 128 pixels
Shaking	4 modes
Method storage	120 methods
Power	90 - 250V 50.60Hz, 80VA
Dimensions (wxhxd)	27 x 43 x 24 cm (10.6"x 16.9"x 9.4")
Weight	12Kg (22lbs)

ORDERING INFORMATION

G033100	Biochrom Anthos MultiRead 400 Standalone Microplate Reader including 4 standard filters (405, 450, 492 and 620nm) Digiread and Control Plus Software, operator manual, power cord, RS232 cable, parallel printer connection cable
G010160	QC Plate and Win QC software

Distributors Worldwide



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