

The MultiRead<sup>®</sup> 400 is a fast stand-alone, filter-based, multi-channel absorbance reader with onboard measurement and analysis software

# Biochrom<sup>®</sup> 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

- **Control 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: ELISA's and protein quantitation, cell proliferation and cell survival assays
- Enzyme kinetics measurements requiring automatic readings at timed intervals

## TECHNICAL DETAILS

### Biochrom Anthos MultiRead 400

<b>Standard Filters</b>	405, 450, 492, 620 nm
<b>Speed</b>	5 seconds for a 96 well plate for a single wavelength
<b>Microplate format</b>	Flat, round and V-bottom 96-well plates
<b>Light source</b>	50W Tungsten halogen lamp
<b>Detection system</b>	8 silicon diodes for measurement
<b>Measurement system</b>	8 channel optical system with automatic calibration and digital light control
<b>Measurement range</b>	0.000 OD. to 4.000 OD
<b>Accuracy</b>	+/- 1% up to 2.5 OD
<b>Reproducibility</b>	+/- 0.5% (0-2.5 OD)
<b>Display</b>	Graphical LCD, backlit 240x 128 pixels
<b>Shaking</b>	4 modes
<b>Method storage</b>	120 methods
<b>Power</b>	90 - 250V 50.60Hz, 80VA
<b>Dimensions (wxhxd)</b>	27 x 43 x 24 cm (10.6"x 16.9"x 9.4")
<b>Weight</b>	12Kg (22lbs)

## ORDERING INFORMATION

G033100	<b>Biochrom Anthos MultiRead 400 Standalone Microplate Reader</b> 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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