

EZ Read 400 ELISA and Research Microplate Readers

Configured to Meet Your Needs!

Biochrom EZ Read 400 ELISA Reader

Includes filters for ELISA assays and a reference filter

Elisa Assay Substrate	Filter	Included
PNPP	405 nm	Yes
ABTS	405 nm	Yes
OPD	492 nm	Yes
Slow TMB	450 nm	Yes
Turbo TMB	450 nm	Yes
Ultra TMB	450 nm	Yes
Reference Wavelength	620 nm	Yes

Versatile Design for Research Laboratories

Includes filters for ELISA assays, protein assays, cell biology assays and a reference filter

Protein Assay	Filter	Included
Bradford	595 nm	Yes
BCA	562 nm	Yes
Cell Viability Assays		
XTT	492 nm	Yes
Cell Density	620 nm	Yes
ELISA Assay Substrate		
PNPP, ABTS	405 nm	Yes
OPD	492 nm	Yes
TMB	450 nm	Yes
Reference Wavelength	620 nm	Yes



KEY FEATURES

- Filter-based microplate reader configured to meet your application needs, including options for ELISA assays, protein assays and cell biology assays.
- PC-controlled instrument supplied with powerful Galapagos analysis software
- USB connection cable supplied
- Ergonomically designed instrument to minimize bench space required
- Ability to perform single or dual wavelength measurements to incorporate reference wavelength readings
- Readings can be performed at timed intervals, ideal for kinetic assays
- QC plate is available for instrument validation

EZ Read 400 Microplate Readers

TECHNICAL SPECIFICATIONS

Biochrom EZ Read 400 Microplate Readers

Photometric Method:	Transmission photometer
Light Source	Tungsten halogen lamp
Photodetector	Silicon photodiode
Wavelength Range	400 – 750 nm
Standard Filters (ELISA)	405, 450, 492, 620 nm
Standard Filters (Research)	405, 450, 492, 562, 570, 595, 620, 650 nm
Plate Types	96-well plate (flat, round and v-bottomed well formats)
Resolution	0.001 OD
Measurement Range	0.000 – 3.3 OD
Accuracy	<±0.5% at 1.0 OD at 450 nm
Linearity	<±0.25% and ±0.0025 OD from 0.1 OD to 2.5 OD at 492 nm
Reproducibility	<±0.25% at 1 OD at 450 nm
Reading Speed	25 seconds, single wavelength
Quality Control	Autocalibration, autolamp adjustment, status report
Power supply	Voltage rating: 100 VAC – 240 VAC; current rating: 50 /60 Hz, 1.5 A
PC Connections	USB
Dimensions (D x H x W)	31.5. x 18.2 x 43.5 cm (12.4 x 7.2 x 17.1 inches)
Weight	6.6 kg (14.6 lb)
LED Indicators	Power on, lamp on
Standard Software	Galapagos (Windows®-based)

ORDERING INFORMATION

Order #	Product
80-4001-40	Biochrom EZ Read 400 ELISA Microplate Reader
80-4001-41	Biochrom EZ Read 400 Research Microplate Reader
SS017510	Reader QC Check Plate

For further information, please contact [Medline Scientific customer services](#) or your [Area Sales Manager](#)

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