



EZ READ 2000 is the best choice for laboratories that require a microplate reader that can be used for a range of absorbance applications. This versatile microplate reader is capable of measuring samples in many different microplate formats: 12-, 24-, 48- and 96-well plates. The EZ Read 2000 uses tuneable wavelength scanning so that **any wavelength** can be chosen from 340nm up to 800nm.

GALAPAGOS SOFTWARE FOR EZ READ

Galapagos for EZ Read Software has a 'Click and drag' approach makes usability a key feature.

- Easy to create new methods.
- Select only the data you want for data reporting
- So easy you won't need to export your data into Excel.
- Windows 7 & 8 compatibility as well as older Windows OS from XP.

APPLICATIONS

- Absorbance measurements: ELISA, protein quantitation, cell proliferation and cell survival assays
- Enzyme kinetic measurements requiring automatic readings at timed intervals
- Wavelength scanning to determine sample purity
- Cell-based assays requiring shaking to maintain cells in solution
- Assays measuring the changes of absorbance of NADH at 340nm
- Contamination detection, peak absorbance detection and product formation using scanning across a range of wavelengths

KEY FEATURES EZ READ 2000

- **No need for filters!** Monochromator optics for measurements from 340 nm to 800 nm enables a wide range of assays to be performed
- **Automatic calibration** of single channel optical system with self-check and for precision measurements
- **Shaking** ensures complete mixing of solutions, cells to stay in suspension and colored solutions to be homogenized
- **Wavelength scanning** for contamination detection, peak absorbance detection and product formation studies
- **12-, 24, 48- and 96-well microplates** with standard ANSI SBS footprints can be used for flexible applications
- **Real-time reference** measurement channel for the improved accuracy



Technical Specifications

Lamp Source	Tungsten Halogen
Measurement Range	0-3.2 OD
Reproducibility/Precision	0.8% and 0.005 OD from 0.10-2.0 OD at 450 nm
Accuracy	0.5% and 0.005 OD from 0.1-1.0 OD at 450 nm; 1.0% and 0.010 OD from 1.0-2.0 OD at 450 nm
Standard Filters	None
Wavelength Selection	Monochromator
Wavelength Range	340-800nm
Plate Types	12, 24, 48 and 96-well plates with standard ANSI/SBS footprint
Data Output	Export to PC, PC Control
Detection System	2 silicon diodes: one for measurement, one for reference
Reading Speed	35 seconds
Software	Galapagos Software
Shaking	Linear shaking in 4 modes
Temperature Control	None
Linearity	0.5% and 0.005 OD from 0.10-1.0 OD at 492 nm 1.0% and 0.010 OD from 1.0-2.0 OD at 492 nm
Computer Interface	USB 2.0
Optical System	Monochromator
Power Requirement	90-250 V, 50/60 Hz, 65VA
Validation	Optional Asys Check plate with WINQC software
Wavelength Reproducibility (+/-)	n/a
Wavelength Accuracy (+/-)	3.0 nm
Dimensions (WxDxH)	27 x 43 x 24 cm
Weight	10.6 Kg
Mode of Operation	PC Control
Analysis Software	Galapagos Software

ORDERING INFORMATION

80-4002-20

EZ Read 2000 microplate reader with Galapagos for EZ Read Software*

Distributors Worldwide



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