

ELx808™ Absorbance Microplate Reader



High quality optics and rugged design are the hallmarks of the ELx808™ Absorbance Microplate Reader. The 340 nm – 900 nm wavelength range encompasses a wide range of potential applications for this multichannel reader. The ELx808 offers unsurpassed superior 4-Zone Temperature Control, providing excellent stability for temperature sensitive assays like endotoxin analysis and long-term bacteria and yeast growth studies. Through the control of Gen5™ Data Analysis Software, the ELx808 becomes an efficient, easy to use and powerful system for a variety of microplate based applications. Endpoint, kinetic and linear well scanning measurements are easily defined and analyzed through

Gen5, but when bench space is a premium or a computer interface isn't available, the ELx808 offers extensive user-programmable software with curve-fitting, data transformation and other analysis options.



Features:

- 4-Zone Temperature Control option provides improved reproducibility for temperature-sensitive assays
- Fast kinetic measurements in intervals as short as 6 seconds with multiple kinetic analysis options
 - Superior optical design incorporates staggered optics to eliminate channel-to-channel cross-talk
 - Endpoint, kinetic and linear well scanning read modes
 - Extensive onboard programming and data analysis
 - Gen5 Reader Control Software included



Applications:

- ELISA
- Enzyme kinetics
- Endotoxin assays
- Cell growth studies
- Cytotoxicity
- Protein assays

Models:

ELX808: For 96-well plates, 380 – 900 nm wavelength range and shaking

ELX808IU: For 96-well plates, 340 – 900 nm wavelength range, incubation to 50°C and shaking

See Web site or price list for complete model listings and descriptions.

Optional Accessories:

- Gen5™ Data Analysis Software
- Gen5™ Secure (for 21 CFR Part 11 Compliance)
- Patented BioCell™ 1 cm Quartz Vessel
- BioCell™ Adapter
- Absorbance Test Plate
- Lamp for ELx808 (all models)
- Product Qualification Package

Specifications:

General

Detection method:	Absorbance
Read method:	End point, kinetic, linear scanning
Microplate types:	96 wells
Temperature control:	4-Zone temperature control to 50°C (ELx808IU)
Shaking:	Yes
Software:	Gen5™ Reader Control Software included
Onboard software:	55 user-programmable protocols

Absorbance

Light Source:	Tungsten halogen
Wavelength selection:	Filters
Wavelength range:	380 – 900 nm 340 – 900 nm (ELx808IU)
Bandpass:	10 nm typical
Dynamic range:	0 – 4.0 OD
Resolution:	0.001 OD
Filter wheel capacity:	6 positions
Filters supplied:	4 filters (5 with UV option)
OD accuracy:	<1% at 2.5 OD typical <2% at 3.5 OD typical
OD linearity:	<1% at 2.5 OD typical
OD repeatability:	<0.5% at 2.5 OD typical <1.5% at 3.5 OD typical
Reading speed:	96 wells: 8 seconds

Physical Characteristics

Power:	100 – 240 Volts AC	50/60 Hz
Dimensions:	16"D x 15.5"W x 8.75"H (40.6 x 39.4 x 22.2 cm)	
Weight:	30 lbs (13.6 kg)	

Regulatory

For In Vitro Diagnostic use. All BioTek microplate instrumentation is CE and TUV marked.

*Specifications subject to change



BioTek Instruments, Inc.
Highland Park, P.O. Box 998
Winooski, Vermont 05404-0998, USA

Tel: 802-655-4040 • Toll-Free: 888-451-5171
Outside the USA: 802-655-4740 • Fax: 802-655-7941
www.biotek.com