

ELx800™ Absorbance Microplate Reader



The ELx800™ is a compact, robust microplate reader ideally suited for applications within the clinical and life science research laboratory. When interfaced with BioTek's Gen5™ Data Analysis Software, the ELx800 applications are expanded to include kinetic and well area scanning measurements in microplates from 6- to 384-well. When space or budget is limited, the ELx800 offers extensive on-board software, complete with multiple curve fit options, data transformations, cutoff and assay validation calculations. The outstanding performance of this hard-working microplate reader and its proven reliability makes the ELx800 an unbeatable value for your laboratory.



Features:

- Reliable and robust design
- 5-filter capacity
- Multiple plate formats
- Extensive onboard data analysis
- Multiple curve-fitting options
- Assay and control validation
- Data transformation formulas
- Cutoff and call criteria
- Gen5 Reader Control Software included



Typical Applications:

- ELISA
- Protein assays
- Cytotoxicity

Models:

ELX800: 6- to 96-well microplates, 400 – 750nm wavelength range

ELX800UV: 6- to 96-well microplates, 340 – 750nm wavelength range

ELX800NB: 6- to 384-well microplates, Terasaki plates, 400 – 750nm wavelength range

See website or price list for complete model listings and descriptions.

Optional Accessories:

- Gen5™ Data Analysis Software
- Gen5™ Secure (for 21 CFR Part 11 Compliance)
- Absorbance Test Plate
- Product Qualification Package

Specifications:

General

Detection method:	Absorbance
Read method:	End point, kinetic and area scanning under computer control
Microplate types:	6 to 96 wells 6 to 384-well (NB option) 60/72/96-well Terasaki plates (NB option)
Software:	Gen5™ Reader Control Software included
Onboard software:	55 user-programmable protocols

Absorbance

Light Source:	Tungsten halogen
Wavelength selection:	Filters
Wavelength range:	400 – 750nm 340 – 750nm (UV option)
Bandpass:	10nm
Dynamic range:	0 – 3.0 OD
Resolution:	0.001 OD
Filter wheel capacity:	5 positions
Filters supplied:	4 filters (5 with UV option)
OD accuracy:	<1% at 2.0 OD typical
OD linearity:	<1% at 2.0 OD typical <3% at 3.0 OD typical
OD repeatability:	<0.5% at 2.0 OD typical
Reading speed:	96 wells: 30 seconds

Physical Characteristics

Power:	100 – 240 Volts AC	50/60Hz
Dimensions:	16.5D x 15W x 7"H (41.9 x 38.1 x 17.8 cm)	
Weight:	18.5 lb. (8kg)	

Regulatory

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

*Specifications subject to change