



Answering your daily challenges  
in the laboratory

## ELx800™ Absorbance Microplate Reader



INFECTIOUS DISEASES

 **Biokit**  
A Werfen Company

**bioelisa**

**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 are 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 hardworking microplate reader and its proven reliability makes the ELx800™ an unbeatable value for your laboratory.

**System Specifications**

<b>General</b>	<b>Detection method</b>	Absorbance
	<b>Read method</b>	End point, kinetic and area scanning under computer control
	<b>Microplate types</b>	6 to 96 wells 6 to 384-well (NB option) 60/72/96-well Terasaki plates (NB option)
	<b>Software</b>	Gen5™ Reader Control Software included
	<b>Onboard software</b>	55 user-programmable protocols
<b>Absorbance</b>	<b>Light source</b>	Tungsten halogen
	<b>Wavelength selection</b>	Filters
	<b>Wavelength range</b>	400 – 750 nm 340 – 750 nm (UV option)
	<b>Bandpass</b>	10 nm
	<b>Dynamic range</b>	0 – 3.0 OD
	<b>Resolution</b>	0.001 OD
	<b>Filter wheel capacity</b>	5 positions
	<b>Filters supplied</b>	4 filters (5 with UV option)
	<b>OD Accuracy</b>	<1% at 2.0 OD typical
	<b>OD Linearity</b>	<1% at 2.0 OD typical <3% at 3.0 OD typical
	<b>OD Repeatability</b>	<0.5% at 2.0 OD typical
	<b>Reading speed</b>	96 wells: 30 seconds
<b>Physical</b>	<b>Power</b>	100 – 240 Volts AC 50/60 Hz
	<b>Dimensions</b>	16.5"D x 15"W x 7"H (41.9 x 38.1 x 17.8 cm)
	<b>Weight</b>	18.5 lbs (8 kg)
<b>Regulatory</b>		For In Vitro Diagnostic use

**Main features**

Reliable and robust design	Multiple curve-fitting options
5 filter capacity	Assay and control validation
Multiple plate formats	Data transformation formulas
Extensive onboard data analysis	Cut-off and call criteria

**Ordering Information**

**bioelisa reader ELx800™**      Ref.3710-0170  
**Gen5™ Data Analysis Software**      Ref.3710-0842