

## ELx800™ Absorbance Microplate Reader



As a stand-alone microplate reader, the ELx800™ is designed for applications within the clinical, biotechnology and research areas. The onboard data reduction surpasses many computer software packages with its extensive curve-fitting, cutoff calculation, data transformation and validation capabilities. The ELx800 interfaces with BioTek's Gen5™ Data Analysis Software for even more flexibility in data analysis and reporting.

### Features

- Extensive onboard data analysis
- Multiple curve-fitting options
- Assay and control validation
- Data transformation formulas
- Cutoff and call criteria
- Multiple plate formats
- 5 filter capacity

### Applications

- ELISA assays
- Enzyme activity

### Optional Accessories

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

### Models

**ELx800:** Available for 6- to 384-well microplates and extended dynamic range

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

# Detection



Specifications*	ELx800	ELx800UV	ELx800NB
<b>Microplate Type</b>			
6- to 96-well	•	•	•
6- to 384-well and Terasaki plates			•
Bio-Cell™	•	•	•
<b>Reading Modes</b>			
Endpoint; kinetic (under computer control)	•	•	•
<b>Filter Wavelength Selection</b>			
Wavelength Range:			
400 - 750 nm	•	•	•
340 - 750 nm		•	
Filter wheel capacity / included	5 / 4	5 / 5	5 / 4
<b>Dynamic Range:</b>			
0 to 3.0 OD	•	•	•
Bandpass: 10 nm	•	•	•
<b>Reading Channels + reference</b>			
Reading Speeds (seconds):	1/1	1/1	1/1
Rapid Mode: 96 wells	30 single	30 single	30 single
<b>Optical Performance (typical)</b>			
Tungsten Halogen Lamp	•	•	•
OD Accuracy < 1 % at 2.0 OD	•	•	•
OD Linearity < 3 % at 3.0 OD	•	•	•
OD Repeatability < 0.5 % at 2.0 OD	•	•	•
Resolution 0.001 OD	•	•	•
<b>Software Features</b>			
Onboard Software: 55 user-definable programs	•	•	•
Gen5™ Compatible	•	•	•
<b>Hardware Features</b>			
Dimensions: 16.5" D x 15" W x 7" H (41.9 x 38.1 x 17.8 cm)	•	•	•
Weight	18.5 lbs (8 kg)	18.5 lbs (8 kg)	18.5 lbs (8 kg)
* Specifications subject to change			



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