

# 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.



## 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 – 750 nm wavelength range

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

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

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)
- 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<br>6 to 384-well (NB option)<br>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 – 750 nm<br>340 – 750 nm (UV option)       |
| Bandpass:              | 10 nm  |
| 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<br><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                          | 50/60 Hz |
| 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)                             |          |

### Regulatory

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

\*Specifications subject to change



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