

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™ software, the ELx800 applications are expanded to include kinetic and well area scanning measurements in microplates from 6-well 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



Applications:

- ELISA assays
- Enzyme activity

Models:

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

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

Optional Accessories:

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

Specifications:

Microplate Type

6- to 96-well: •
 6- to 384-well and Terasaki Plates: •
 Bio-Cell™ Compatible: •

System Features

Reading Modes:
 Endpoint; kinetic
 (under computer control) •

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)

Onboard Software: 55 user-definable programs: •
 Gen5™ Compatible: •

Filter Wavelength Selection:

Wavelength Range:
 400-750 nm •
 340-750 nm •

Filter wheel capacity / included: 5/4

Dynamic Range:
 0 to 3.0 OD •

Bandpass: 10 nm: •

Read Channels/Reference: 1/1

Reading Speeds (secs):
 Rapid Mode: 96 wells 30 single

Optical Performance (typical)

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: •

*Specifications subject to change

ELx800

ELx800UV

ELx800NB



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