



## ELx800™ Universal 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 all of Bio-Tek's software packages including KC4™ and KCJunior™.



### Features

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

### Applications

- ELISA assays
- Enzyme activity

### Optional Accessories

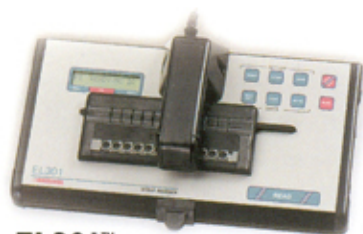
- Absorbance test plate
- Terasaki tray adapter
- KC4™ or KCJunior™ software
- Validation Package and FDA CFR 21 Part 11 compliance tools

### Configurations

- ELx800: 6- to 96-well capability
- ELx800: 6- to 384-well capability
- ELx800: 340 - 750 nm range

### Specifications

- Detection Method:**  
Absorbance
  - Read Method:**  
Endpoint, kinetic and well area scanning via computer control
  - Microplate Types:**  
6-, 12-, 24-, 48-, 96- and 384-well plates, 60-, 72- and 96-well Terasaki plates (NB option)
  - Reading Speed:**  
30 secs single wavelength
  - Wavelength Range:**  
400 to 750 nm  
340 to 750 nm (UV option)
  - Filter Wheel Capacity:**  
5 positions
  - Light Source:**  
Tungsten Halogen, 1000 hours lifetime
  - Onboard Software:**  
55 user-programmable protocols
  - Regulatory Compliance:**  
Meets EU in vitro Diagnostic Directive (IVD-D)  
All Bio-Tek microplate instrumentation is CE and safety marked
- Detailed specifications can be found at [www.biotek.com](http://www.biotek.com)



## EL301™ Microwell Strip Reader

When low throughput and budget call for a basic strip reader, the EL301™ provides many features found in higher-end automated systems.

### Features

- Automatic well location
- 4 internal user-defined analysis programs
- Automatic average blanking
- Internal memory stores up to 12 plates of absorbance values

### Applications

- ELISA assays
- Water and soil quality testing
- Food testing

### Optional Accessories

- Battery pack
- 1 x 12 breakaway strip holder
- Citizen™ printer or equivalent (110V only)
- Citizen printer paper roll
- See price list for additional accessories

### Models

- EL301: Strip Reader

### Specifications

- Detection Method:**  
Absorbance
  - Microplate Types:**  
8-, 12-, and 2 x 8-well strips
  - Wavelength Range:**  
380 to 700 nm
  - Filter Wheel Capacity:**  
2 (filter paddle)
  - Filters Supplied**  
405, 490 nm
  - Dynamic Range:**  
0 to 2,500 OD
- Detailed specifications can be found at [www.biotek.com](http://www.biotek.com)

Recognized as the worldwide leader in microplate washing, Bio-Tek also offers a complete line of microplate automated pipetting systems and dispensers that are ideal for either stand-alone operation or integration into automated systems.



### **Microplate Washers**

Bio-Tek is recognized as the leader in microplate washing technology. The ELx50™ Series can be configured to wash strips or 96- or 384-well plates, and provide highly accurate dispense and low residual volumes.

The ELx405™ Series is the market leader in the demanding high-throughput screening environments, with great flexibility and control for 96- and 384-well full-plate washing. Precise, fast and easy to use, the ELx405 Series includes several models, each with its own innovative features.

### **Microplate Reagent Dispensers**

Bio-Tek's  $\mu$ Fill™ offers an economical, compact, and reliable alternative to existing microplate dispensers. Accurate and precise dispensing are guaranteed without the time-consuming recalibration and maintenance common with many dispensers available today. A robot-compatible carrier accommodates 24-, 96- and 384-well standard and deep-well microplates.

### **Automated Pipetting Systems**

As a replacement to manual pipetting, Bio-Tek developed the Precision™ Automated Pipetting System for a variety of fluid-transfer operations. Its removable platform allows for multi-user friendliness, easy cleaning and flexible setup. A compact footprint allows for easy installation into biological safety cabinets or fume hoods. Users have a choice of 1-, 8-, or 12-channel pipettes for a variety of applications including sample processing, hit picking, serial dilutions and plate replications.