



The FLx800™ provides researchers outstanding value with a combination of excellent performance and ease of use — at a price much lower than traditional fluorescence-luminescence microplate readers. The design features a low-noise detection system for increased performance in both fluorescence and luminescence modes. The FLx800 includes several models with options that meet the specific needs of research and clinical users, including the ability to read multiple plate types and PCR plates. The FLx800 includes onboard data reduction software or can be interfaced with BioTek's easy-to-use PC software packages.

Features

- New low-noise detector operated in photon integration mode enables high luminescence sensitivity
- Selectable, automated top- or bottom-probe reading for best sensitivity in fluorescence mode
- Flash luminescence, and fast kinetic fluorescence reading with optional reagent injector
- Incubation to 50°C for temperature-sensitive assays
- PCR plate-reading option available



Applications

- Endpoint, kinetic, flash, area scanning assays
- DNA quantification, protein quantification
- Ion channel assays
- Enzyme activity
- Gene expression (reporter gene assays)
- Cell-based assays
- FRET assays

Optional Accessories

KC4™ or KCjunior™ Data Analysis Software
 Fluorescence Test Plate
 Product Qualification Package

Models

FLx800: Multiple models including incubation, top/bottom reading, extended range PMT, PCR plate capability and injector

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

Specifications*	FLx800
Dimensions Weight Power Consumption Microplate Types Temperature Control Shaking Top Optics Adjustment Software	15"W x 16"D x 9"H (38.1 x 40.64 x 22.89 cm) 30 lbs (13.6 kg) 100 Watts max. 6-384 4°C above ambient to 50°C Yes Yes Onboard (optional PC software)
Fluorescence Intensity Light Source Wavelength Range Wavelength Selection Dynamic Range Sensitivity Top	Tungsten Halogen 300 – 700 nm (850 nm option) Deep blocking filters 5 decades 5 pM fluorescein typical
Luminescence Wavelength Range Dynamic Range Sensitivity	300 – 700 nm 5 decades 100 amol ATP typical (flash)
Dispensers Number of Injectors Dispense Volume Dead Volume	1 5 – 1000 µl in 1 µl increment 1 ml, 100 µl with backflush
* Specifications subject to change	