

FLx800™ Fluorescence Microplate Reader

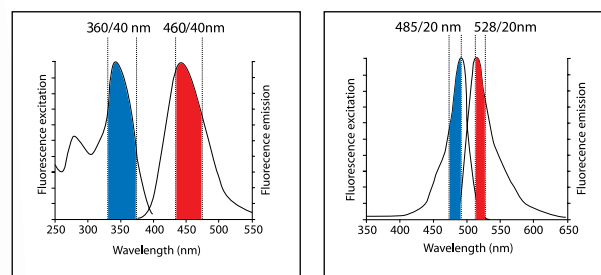


The FLx800™ provides researchers outstanding value with a combination of excellent performance and ease of use — at a price much lower than traditional fluorescence-luminescence microplate readers. The design features a low-noise detection system for increased performance in both fluorescence and luminescence 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 Gen5™ Data Analysis Software.

Features:

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

Filter-Based Fluorescence



In Fluorescence mode, filters with dye-specific bandwidths provide the best possible sensitivity for all applications. No matter what fluorescent label is used, the optical system can always be configured to make the best of its spectral characteristics.





Applications:

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

Models:

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

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)
- Fluorescence Test Plate
- Product Qualification Package

Specifications:

Fluorescence Intensity

Light Source:	Tungsten Halogen
Wavelength Range:	300-700 nm (850 nm option)
Wavelength Selection:	Deep blocking filters
Dynamic Range:	5 Decades
Sensitivity Top:	5 pM Fluorescein typical

Luminescence

Wavelength Range:	300-700 nm
Dynamic Range:	5 Decades
Sensitivity:	100 amol ATP typical (flash)

Dispensers

Number of Injectors:	1
Dispense Volume:	5 - 1000 µL in 1 µL increment
Dead Volume:	1mL, 100 µL with backflush

General

Microplate Types:	6- to 384- well
Shaking:	Yes
Dimensions:	15"W x 16"D x 9"H (38.1 x 40.64 x 22.89 cm)
Weight:	30 lbs (13.6 kg)
Power Consumption:	100 Watts max.
Temperature Control:	4°C above ambient to 50°C
Top Optics Adjustment:	Yes
Software:	Onboard (Optional PC software)

*Specifications subject to change



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