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FLx800™ Multi-Detection Microplate Reader



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● Specifications

Detection method	Fluorescence, Luminescence: Low Noise Photomultiplier tube
Read method	Endpoint, kinetic and area scanning under computer control
Microplate types	6- to 384-well plates, PCR plates (FLx800TBP)
Reading speed	Kinetic, full 96-well plate in <35 seconds (depends on settings)
Wavelength range	Excitation: 300-650 nm Emission: 300-700 nm (300-800 nm with optional PMT)
Wavelength selection	Deep blocking interference filters
Filter wheel capacity	Excitation: 4 positions, Emission: 4 positions
Filters supplied	2 excitation and 2 emission filters
Bandpass	Variable, dependent on filter
Dynamic range	0-99.999 RFUs 0-99.999 RLUs
Sensitivity	Sodium fluorescein 2.5 pg/ml SF (1.3 fmol/well) typical* Luciferase 0.1 pg/well typical ATP 100 amol/well limit of detection (*Black plate, top measurement, 3mm diameter probe)
Standard probes	3.0 mm top 5.0 mm bottom
Light source	Tungsten Halogen, 1000 hours lifetime

Temperature control	4°C above ambient to 50°C (I models)
Shaking	Linear shaking (I models)
Reagent dispensers	1 syringe pump
Dispense volume	5-1000 µl in 1 µl increments
Onboard software	55 user-programmable protocols
PC Software	KCjunior, KC4 (optional)
Power	100-240 V _{AC} 50/60 Hz
Dimensions	15" W x 16" D x 9" H (38.1 x 40.64 x 22.89 cm)
Weight	30 lbs (13.6 kg)
Regulatory	For in-vitro diagnostic use (Except in the European Union). All BioTek microplate instrumentation is CE and ETL marked. For details on approvals and standards compliance, please contact BioTek.

Specifications subject to change.

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