

Agilent BioTek Epoch Microplate Spectrophotometer

Technical details

General	
Detection Modes	Absorbance
Read Methods	Endpoint, kinetic, spectral scanning, well-area scanning
Microplate Types	6- to 384-well plates
Other Labware Supported	Agilent BioTek Take3 microvolume plates
Temperature Control	Not available
Shaking	Not available
Software	Agilent BioTek Gen5 data analysis software Agilent BioTek Gen5 Secure software supports 21 CFR Part 11 (option)
Automation	Agilent BioTek BioStack microplate stacker and third-party automation compatible ("RH" configuration)
Absorbance	
Light Source	Xenon flash
Detector	Photodiode
Wavelength Selection	Monochromator
Wavelength Range	200 to 999 nm, in 1 nm increments
Monochromator Bandwidth	5 nm
Dynamic Range	0 to 4.0 OD
Resolution	0.0001 OD
Pathlength Correction	Yes
Monochromator Wavelength Accuracy	± 2 nm
Monochromator Wavelength Repeatability	± 0.2 nm
OD Accuracy	0 to 2 OD: ± 1% ± 0.010 OD 2 to 2.5 OD: ± 3% ± 0.010 OD
OD Linearity	0 to 2 OD: ± 1% ± 0.010 OD 2 to 2.5 OD: ± 3% ± 0.010 OD
OD Repeatability	0 to 2 OD: ± 1% ± 0.005 OD 2 to 2.5 OD: ± 3% ± 0.005 OD
Reading Speed (Kinetic)	96 wells: 15 s 384 wells: 31 s

Physical Characteristics	
Power	100 to 240 volts AC at 50 to 60 Hz
Dimensions	30.5 cm W x 31.8 cm D x 19.6 cm H (12" W x 12.5" D x 7.7" H)
Weight	< 6.8 kg (15 lb)

Configurations

Part Number	Description
EPOCHH	Microplate spectrophotometer
EPOCHRH	Microplate spectrophotometer; BioStack and third-party automation compatible

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