

Agilent BioTek BioStack Microplate Stacker

Technical details

General	
Microplate Types	All models: ANSI/SBS standard and low profile 96, 384, and 1536 wells BioStack 4: 24- and 48-well plates (model dependent) Maximum plate height: 23.2 mm BioStack 3, BioStack, and BioStack Neo: Maximum plate height: 14.6 mm
Other Labware Supported	BioStack 4: delidding capability (lids always removed during processing) 96-, 384-, and 1536-well plates Maximum height, including lids: 16.9 mm Nunc plates (lids can remain on plate during process, or can be removed): 6-, 12-, 24-, and 48-well plates Maximum height, including lids: 23.2 mm
Microplate Capacity	BioStack 4: 10- and 30-plate stacks are removable and interchangeable (50-plate stacks may be used with non-lidded plates only) 96- and 384-well plates: up to 30 plates (with lids) 1536-well plates: up to 75 plates BioStack 3, BioStack, and BioStack Neo: 10-, 30-, and 50-plate stacks are removable and interchangeable 96- and 384-well plates: up to 50 plates 1536-well plates: up to 75 plates
Barcode Scanner	Landscape or portrait orientation, Code 39, Codabar, UPC/EAN, Code 128 compatible 1D and 2D barcodes: BioStack Neo
Processing Speed	BioStack 4: < 20 s (with delidding); < 12 s (without lids) BioStack 3: < 10 s BioStack: < 33 s BioStack Neo: 6 s
Software	Agilent BioTek Liquid Handling Control (LHC), optional for nontouch screen liquid handling instruments Agilent BioTek Gen5 microplate reader and imager software for Agilent BioTek Cytation cell imaging multimode readers Agilent BioTek Gen6 data analysis software for Agilent BioTek Synergy Neo2, Synergy H1, Synergy HTX, and Epoch readers
Direct Control	Washers and dispensers with keypad interface (nontouch screen) can directly control BioStack
Physical Characteristics	
Power	100–240 volts AC at 50–60 Hz
Dimensions	BioStack 4: 8.3" W x 22" D (21 x 56 cm) BioStack 3 and BioStack Neo: 7.4" W x 20.7" D (18.8 x 52.6 cm) BioStack: 7" W x 18.5" D (18 x 47 cm) Overall height will vary depending on connected instruments and stacks used
Weight	< 25 lb (11.3 kg)
Operating Environment	18 °C to 40 °C; 10% to 85% humidity

Configurations

Part Number	Integration Kit	BioStack 4 (BSTCK4)	BioStack 3 (BSTCK3WR)	BioStack (BSTCK2)	BioStack Neo (BSTCKN2)
406 FX	7310059	S	S	–	–
EL406	7310042	S	S	F, S	–
405TS/LS	7310040	S	S	F, S	–
ELX405	7310041	S	S	F, S	–
MultiFlo FX	7310044	S	S	F, S	–
MultiFlo	7310044	S	S	F, S	–
MicroFill	7310012	–	–	S	–
Cytation 1/5/7*	7310053	F	F	–	–
Cytation C10**	1940012	S	S	–	–
Synergy H1	7310045	F	F	F	–
Synergy HTX	7310046	S	S	F	–
Epoch 2	7310054	F	F	F	–
Epoch(R)	7310043	S	S	–	–
Synergy Neo2	7310055	S	–	–	S

F = Facing orientation

S = Side orientation

*Antivibration base compatible option available. Requires part numbers 2010002 and 2010001.

** Requires Cytation C10 with antivibration base (part number 1940003).