



Bio-Stack™ Stacking, Storage & Handling Systems

Bio-Stack™ Microplate Stacker

Through its compatibility with a range of BioTek's detection and liquid handling products, the Bio-Stack Microplate Stacker offers life science laboratories increased throughput for a variety of applications in genomics, proteomics, drug discovery and clinical diagnostics.

Features

- 30 microplates per stack
- Automatic restacking capability
- Optional barcode scanner
- Small footprint
- Quiet operation
- Rugged design
- Self-diagnostics ensure trouble-free operation

Bio-Stack™ automation products provide speed, flexibility and unattended operation when configured with BioTek's line of detection and liquid handling products. The result is a scalable, cost-effective system that can adapt to your changing requirements.

Additionally, the Bio-Stack Storage System can be integrated with most commercially available robotic arms through the ActiveX™ Programmer's Package to expand any automated system's microplate capacity.

Bio-Stack™ Microplate Storage System

The Bio-Stack Microplate Storage System stores, presents and receives microplates to and from any third-party instrument equipped with a microplate gripper. A shuttle sorts and moves plates between two interchangeable stacks and into external devices.

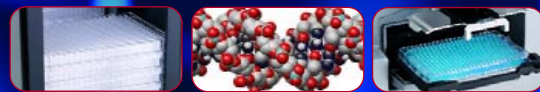
Applications

- High throughput screening
- Drug discovery
- Proteomics
- Genomics

Optional Accessories

- Accessory Kits (Microplate Stacker only)
 - ELx405™ Microplate Washer
 - Precision™ Automated Microplate Pipetting System
 - PowerWave™ Microplate Spectrophotometer
 - Synergy™ HT Multi-Detection Microplate Reader
 - µFill™ Microplate Reagent Dispenser
- Barcode Scanner
- Product Qualification Package
- ActiveX™ Programmer's Package

Automation



Bio-Stack™ Twister® II Microplate Handler

Whether you are adding capacity to single devices or linking several instruments together to complete a robotic system, the result is an automated plug-and-play system for unattended operation. The Microplate Handler is a cost-effective, benchtop alternative to linear track and stationary robotic arms.



Features

- Build completely automated work cells
- Scalable automation allows easy reconfiguration
- 340° axis of rotation with telescoping arm and rotational gripper
- Software wizard makes new instrument integrations fast and simple
- Handles de-lidding, pipette tip racks, low profile and deep-well plates

Optional Accessories

- Accessory Kits
 - Clarity™ Luminescence Microplate Reader
 - ELx405™ Microplate Washer
 - Precision™ Automated Microplate Pipetting System
 - PowerWave™ Microplate Spectrophotometer
 - Synergy™ HT Multi-Detection Microplate Reader
 - μFill™ Microplate Reagent Dispenser
- Additional storage pod/microplate stack sets
- Barcode Scanner

Models

Bio-Stack Microplate Stacker: Adds stacking capabilities to BioTek's ELx405, Precision, PowerWave, Synergy and μFill product families

Bio-Stack Microplate Storage System: Presents and/or receives up to 60 microplates to a third party liquid handler or robotic system

Bio-Stack Microplate Handler: Automates single processes or entire assays with Bio-Tek's Clarity, ELx405, Precision, PowerWave, Synergy and μFill product families

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

Specifications*	Bio-Stack Microplate Stacker	Bio-Stack Microplate Storage System	Bio-Stack Twister II Microplate Handler
Microplate Types	96- and 384-well standard microplates	96- and 384-well standard microplates	96- and 384-well standard microplates
Microplate Orientation	Landscape	Landscape	Portrait or Landscape
Microplate Capacity	30 SBS** standard height 96-/384-well microplates, 30 microplates per stack, removable and interchangeable storage stacks	60 SBS** standard height 96-/384-well microplates, 30 microplates per stack, removable and interchangeable storage stacks	320 SBS** standard height 96-/384-well microplates without lids, 40 microplates per stack, removable and interchangeable storage stacks
Processing Speed	8 seconds to deliver or retrieve a microplate	8 seconds to deliver or retrieve a microplate	30 seconds to deliver or retrieve a microplate
Power	Instrument powered by universal input (100-240 VAC, 50-60 Hz) switching 24 VDC power supply	Instrument powered by universal input (100-240 VAC, 50-60 Hz) switching 24 VDC power supply	100/120/240 VAC, 50/60 Hz
Weight	24 lbs (10.9 kg)	24 lbs (10.9 kg)	50 lbs (22.7 kg)
Dimensions	18.5" D x 7" W x 23" H (46.9 cm D x 17.8 cm W x 58.4 cm H)	18.5" D x 7" W x 23" H (46.9 cm D x 17.8 cm W x 58.4 cm H)	40" D x 40" W x 37" H (101.5 cm D x 101.5 cm W x 94 cm H)
Compatible BioTek Instruments	ELx405™, μFill™, PowerWave™, Synergy™ HT, Precision™	Integrated via 3rd party robot: ELx405™, μFill™, PowerWave™, Synergy™ HT, Precision™	Clarity™, ELx405™, PowerWave™, Precision™, Synergy™ HT, μFill™
	* Specifications subject to change ** Society for Biomolecular Screening		



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