

BD FACS360™ Sample Preparation System

Standardized, end-to-end flow cytometry sample preparation—made simple.



Technical specifications

System Overview

Modular, enclosed benchtop automated liquid handling system

Standalone or network-connected operation

Light-blocking tinted windows

Deck capacity: 12 ANSI/SLAS standard positions plus 4 additional ANSI/SLAS-standard slots for staging tips and labware accessible by the gripper only

Pipetting Performance

96-channel pipette head supported volume range: 1–200 µL

96-channel pipette performance:

- » Tip size: 50 µL
 - › 1 µL: Systematic error ±10.0%; Random error ±6.0%
 - › 5 µL: Systematic error ±4.0%; Random error ±2.0%
 - › 50 µL: Systematic error ±1.5%; Random error ±1.0%
- » Tip size: 200 µL
 - › 200 µL: Systematic error ±1.0%; Random error ±1.0%

Software & Control

Will include features that support 21 CFR Part 11 compliant workflows

User Interface & Monitoring

Integrated 7-inch touchscreen

2 MP camera for deck monitoring and diagnostics

External status indicator

Connectivity

Ethernet: 100 Mbps

Wi-Fi: IEEE 802.11 a/b/g/n/ac (2.4 / 5 GHz)

USB: 9 × USB-A, 1 × USB-B (USB 2.0)

Network connectivity optional for protocol execution

Mechanical & Electrical

Dimensions (W × D × H): 34.3" × 27.2" × 33.1" (87 × 69 × 84 cm)

Weight: 195 lb (~88.5 kg), excluding optional accessories

Power: 100–240 VAC, 50–60 Hz, single phase

Environmental Operating Conditions

Operating temperature: 20–25°C

Relative humidity: 40–60%, non-condensing

Safety & Compliance

Emergency stop pendant included

Certifications: CE, ETL, FCC

Quality system: ISO 9001

Warranty

One year standard hardware warranty from installation

Accessories

BD FACS360™ Stacker

Up to 4 BD FACS360™ Stackers supported per system

Maximum labware capacity per stacker:

- » Up to 6 tip racks
- » Up to 48 flat-bottom plates
- » Up to 16 deep-well plates

Dimension (L × W × H): 37.7" × 4.2" × 7.7" (957.5 × 106 × 194.5 mm)

Weight: 30 lbs (13.6 kg)

Electrical input: 6.4 A at 115 VAC or 3.2 A at 230 VAC

Electrical output: 48 VDC at 2.7 A

BD FACS360™ Temperature Module

Up to 4 BD FACS360™ Temperature Modules supported per system

Operating temperature range: 4–95°C

Dimension (L × W × H): 7.6" × 3.5" × 3.3" (194 × 90 × 84 mm)

Weight: 3.3 lbs (1.5 kg)

Electrical input: 100–240 VAC, 50/60 Hz, 4.0 A

Electrical output: 36 VDC, 6.1 A, 219.6 W max

The BD FACS360™ Sample Preparation System is for Research Use Only. Not for use in diagnostic or therapeutic procedures.

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