



BioPlex 2200 System Profile



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Sample Processing Module

- Processes reaction vessels with patient sample and multiplex reagents
- Inner ring for 37°C incubations
- Outer ring for magnetic wash and separations
- Throughput capacity of up to 100 multiplexed patient samples per hour

Detector Module

- Multiplex flow detection
- Minimum of 200 measurements per analyte

Sample Input Area

- Holds up to 100 primary samples
- Continuous, random access sample loading

STAT Sample Entry

- On demand STAT capability

On-board Bulk Reagent Storage

- On-the-fly loading and unloading of bulk reagents and waste
- Bulk reagent and waste capacity to process up to 800 primary samples



Reagent Carousel

- On-board refrigerated storage
- Store up to 20 reagent packs giving the capacity to process up to 2,000 samples
- Real time inventory management

Software

- Intuitive touchscreen operation
- Flexible worklist, testing and results reporting setup
- Ability to “add on” additional test orders for previously run samples
- Bidirectional LIS interface
- Medical Decision Support Software (MDSS)

Sample Output Area

- Holds up to 100 primary samples
- Continuous access sample unloading

Central Processing Computer

- CPU for instrument and software communication

Reaction Vessel Storage/Waste

- Above-hopper for storage of up to 800 reaction vessels
- Below-waste bin storage for used reaction vessels

System Specifications

Physical Dimensions

Height 4' 5" (1.3 m)
Width 4' 3" (1.3 m)
Depth 2' 10" (0.9 m)
Weight Approximately 1,032 lbs. (468 kg)

Performance Characteristics

Maximum Throughput* Up to 1,400 patient results per hour†
Sample Capacity Up to 100 samples per hour
Time to First Result As little as 45 minutes (panel dependent)
Sample Tubes Any CLSI primary sample tubes
Sample Tray 10 racks, 5 samples each
Sample Volume As little as 5 µL
STAT Capability Continuous access
Walkaway Capacity 8 hours of continuous use
Operational Mode Random and continuous access, priority (STAT) loading

Operator Interfaces Touchscreen monitor, keyboard, trackball mouse

Clot Detection Yes

Quality Control Levey-Jennings, Westgard Rules

Sample Barcode Acceptable Symbologies Code 128, Codabar, Code 39, Interleaved 2 of 5

Sample Types Serum, plasma, or CSF (For more information, refer to BioPlex 2200 assay inserts)

Sample Dilutions 1:4, 1:8, 1:10 1:16, 1:32, 1:64, and 1:100 (panel dependent)

Access During Use Continuous sample input/output, consumables replenishment, and waste disposal without interruption of sample processing

LIS Connectivity Bidirectional: ASTM Standard

Total Laboratory Automation (TLA) Complies with CLSI Auto5A interface standard

Power Requirements

Input Voltage 100-240 VAC at 50-60 Hz, 1000 Watt

UPS Provided

Water Requirements

Water Quality CLSI Type II or better

Direct Plumbing Maximum pressure of 50 kPa

Installation Requirements

Crate Clearance Requirements		Instrument Operational Clearance	
Rear	5' (1.5 m)	Rear	6" (0.2 m)
Left	4' (1.2 m)	Left	3' (1.0 m)
Right	4' (1.2 m)	Right	6" (0.2 m)
Front	10' (3.0 m)	Front	3' (1.0 m)
Vertical	6' (1.8 m)	Vertical	6' (1.8 m)

* ANA Throughput

† Up to 1,200 patient results per hour in the U.S. only

Ordering Information

Catalog No.	Description	Quantity
660-0000	BioPlex 2200 System	1 instrument
660-0800	Sample Racks	30 per box
660-0801	Sample Tray	1 tray
660-0817	Instrument Sheath Fluid	2 per box
660-0818	Instrument Wash Buffer	1 box
660-2003	Reaction Vessels	1,000 per bag
666-0001	Instrument Detector Calibration Pack	1 pack
666-0002	Instrument Detector Clean Pack	1 pack
666-0003	Instrument Probe Cleaning Solution Bottles	4 per box

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