



BioPlex® 2200 System Profile



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

eFlex[™] Software

- Intuitive touchscreen operation
- Flexible worklist, testing and results reporting setup
- Ability to "Add on" additional test orders for previously run samples
- Bi-directional 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

BioPlex®2200 System

System Specifications

Physical Dimensions

Height..... 4'-5" (1.3 m)
Width..... 4'-3" (1.3 m)
Depth 2'-10" (0.9 m)
Weight Approximately 1032 lbs. (468 kg)

Performance Characteristics

Maximum Throughput 22 results per sample at 100 samples per hour, yielding up to 2200 results per hour*
Time to First Result 45-64 minutes (depending on panel)
Sample Tubes Any CLSI primary sample tubes
Sample Tray 10 racks, 5 samples each
Sample Volume..... 5-50 µL (depending on panel)
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
Aspiration Capability..... Robotic precision with clot detection
Quality Control Levey-Jennings, Westgard Rules
Sample Barcode Acceptable Symbolologies Code 128, Codabar, Code 39, Interleaved 2 of 5
Sample Types Serum or Plasma For more information, refer to BioPlex®2200 assay insert
Sample Dilutions 1:4, 1:10, and 1:100 (depending on panel)
Access During Use..... Continuous sample input/output, consumables replenishment and waste disposal without interruption of sample processing
LIS Connectivity Bi-directional: ASTM Standard Class 2 Laser Product

* Typical throughput

Power Requirements

Input Voltage 100-240 VAC at 50-60 Hz, 1000 Watts
UPS Optional

Water Requirements

Water Quality CLSI Type II or better
Direct Plumbing Maximum pressure of 50 kPa

Installation Requirements

Crate Clearance Requirements

Rear 5' (1.5 m)
Left 4' (1.2 m)
Right 4' (1.2 m)
Front 10' (3.0 m)
Vertical 6' (1.8 m)

Instrument Operational Clearance

Rear 6" (0.2 m)
Left 3' (1.0 m)
Right 6" (0.2 m)
Front 3' (1.0 m)
Vertical 6' (1.8 m)




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