

# ACCESS 2 IMMUNOASSAY SYSTEM



## SYSTEM SPECIFICATIONS

### Maximize productivity in an easy-to-use, compact design

With an intuitive operator interface and enhanced sample handling with obstruction detection, the Access 2 improves workflow efficiency with fast throughput, reliable uptime and standardized assay technology for consistent results across Access platforms. Beckman Coulter's broad menu offering of quality assays and consistently high ratings in overall system performance\* help laboratories meet both their clinical demands and business performance goals.

#### Standard features:

- > Throughput of up to 100 tests per hour with continuous loading of up to 60 samples at once
- > Internal barcode reader for automatic identification of reagent packs upon loading
- > "On-the-fly" reagent and consumable loading
- > STAT capabilities and automatic reflex testing to meet workflow requirements
- > Random access analyzer, allowing samples to run anytime in any combination
- > Dioxetane-based chemiluminescent detection technology with magnetic particle separation
- > Sample probe obstruction detection
- > Triple sample probe wash for reduced carryover
- > Simple, user-friendly interface
- > Remote monitoring and instrument diagnostics capability available through PROService



G/F Molave Bldg., 2231 Chino Roces Ave.,  
Makati City, 1231  
Phone : (632) 751-9999 Fax : (632) 817-8405



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# Access 2 Immunoassay System Specifications

## MAIN SPECIFICATIONS

### Analytical system

Fully automated, random-access immunoassay bench-top analyzer for low-volume laboratories

### Measurement principles

Dioxetane-based chemiluminescent detection with magnetic particle separation

### Analytical method

Chemiluminescent detector: luminometer

### Throughput

100 tests/hour maximum

### Compartment temperatures

Incubator and wash/read wheel: 37°C

Reagent compartment: 4°C to 10°C

### Sampler capacity

Holds up to 24 self-sealing reagent packs

Onboard capacity of 1,200 tests

Up to 6 racks, each rack holds 10 samples (60 samples)

### Immunoassay menu capacity

>50 preprogrammed, barcoded immunoassay methods currently available

### Barcoded reagents

Automatic tracking of:

Number of tests

Available tests

Expiration date

Lot number

Calibration expiration

### Calibration

Calibration stability of  $\geq 28$  days for most assays

Calibration curves and parameters displayed on screen and printouts

### Sample barcode formats

Code 39 (Code 3 of 9 or SD-3)

Code 128 (USD-6)

Interleaved 2 of 5 (USD-1)

Codabar (USD-4)

### Sample volume

5 to 200  $\mu\text{L}$  (assay dependent)

<50  $\mu\text{L}$  is typical

### Sample types (assay dependent)

Serum

Plasma

Urine

Amniotic fluid

Whole blood

### Sample container sizes

Primary tubes:

12, 13x75 mm glass or plastic

16x75 mm

13, 16x100 mm

Sample cups:

2.0 mL, 3.0 mL

1.0 mL, 2.0 mL insert cups

Pediatric insert

Auto aliquot tube

### Communication modes

Uni-directional, bi-directional, bi-directional with true host query

RS-232C Serial

### Sample quality analysis

Probe wash tower to minimize carryover

Minimum sample volume detection

Obstruction detection due to:

Solid matter/clots

Plugged primary probe

### Quality control

Westgard rules, Levey-Jennings chart  
preprogram up to 50 controls

### Reflex testing

User defined

### Operating system

Windows 8

### Monitor

17 in touch-screen, flat panel, color monitor

### Console

Computer case: Mini PC 90969 VESA mounted system

CPU board: Intel® NUC5i3MYBE

CPU: Intel Core™ i3-5010U processor (3M Cache, 2.10 GHz)

Random access memory: 2 GB, DDR3-1600, 256Mx64, 204 Pin SODIMM

Storage hard drive: 128 GB M.2 SSD

Optical drive: slim external USB optional DVD-RW/CD-RW

Power supply: external AC to DC universal power adapter

### Remote monitoring capability

Optional feature available

## INSTALLATION REQUIREMENTS

### Access 2 System dimensions and weight

Analyzer (standalone):

Height: 19.5 in (50 cm)

Length: 39 in (99 cm)

Depth: 24 in (61 cm)

Weight: 214 lbs (97 kg)

Fluidics tray (standalone):

Length: 10.5 in (26.5 cm)

Analyzer clearance requirements:

Rear: 2 in (5 cm) for ventilation

Top: 30 in (76 cm) for service

Left: 14 in (36 cm) for fluidics tray

Right: 30 in (76 cm) for monitor arm w /PC console and keyboard tray

Total length needed for installed system  
(analyzer + clearance): 83 in (211 cm)

### Power and environmental requirements

Analyzer:

115/230 VAC

50/60 Hz, nominal

Heat output:

2,730 BTU/hour (analyzer)

Ambient operating environment:

Ambient temperature: 18°C to 28°C

Relative humidity: 20% to 80% non-condensing

Altitude:  $\leq 6,500$  ft (1,981 m)

Ambient light: 0 to 200 ft candles

Noise generated:

$\leq 70$  dBA (1 meter in front, 185 cm from floor)

### Water supply information

Deionized or distilled water

### Drain requirements

Built-in liquid waste bottle

Drain not required unless liquid waste bottle is replaced with the liquid waste drain kit

\*IMV ServiceTrak™ Clinical - Immunoassay Analyzers 2014-2016

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DS-26652

