

# UniCel® DxI 600

Access® Immunoassay System

Expanding your lab's capabilities with the newest member of the UniCel family

General Chemistry  
Lab Automation  
Information Systems  
Molecular Diagnostics  
**Immunodiagnosics**  
Centrifugation  
**Disease Management**  
Hematology  
Hemostasis  
Flow Cytometry  
Primary Care



Today's clinical laboratories need to find new ways to increase efficiency and productivity, while dealing with challenges, such as budget constraints, staffing shortages, and diverse testing requirements.

The UniCel® DxI 600 immunoassay system allows laboratories to decrease process steps and improve turnaround time – with astounding ease of use. It also uses the same reagents as other systems in the UniCel Access family, so your laboratory can deliver consistent patient results, no matter which Beckman Coulter immunoassay system performs the test.

- Throughput of up to 200 tests per hour with continuous loading of STAT and routine samples to meet your peak workflow requirements
- System releases the primary tube after creating an aliquot
- Refrigerated compartment holds 50 reagent packs in any configuration – allowing you to configure the system menu to match your testing needs
- Reagent packs compatible with other UniCel Access family systems simplify inventory management
- Operators can load all reagents and consumables “on-the-fly” without pausing the instrument
- A broad menu and simple operation give you the flexibility you need
- To add patient samples, you just load the tubes and walk away!

# UniCel<sup>®</sup> DxI 600 Access<sup>®</sup> Immunoassay System

## Technology

Dioxetane-based chemiluminescence (Lumi-Phos)\*  
Magnetic particle separation

## Detection Systems

Chemiluminescent detector: Luminometer

## Throughput

Up to 200 tests/hr maximum

## Compartment Temperatures

Incubator and wash/read carousel: 37°C

Sample carousel: 4 – 10°C

Reagent compartment: 4 – 10°C

## Reagent Capacity

50 reagents packs of 50 tests each

System menu can be configured to match laboratory testing patterns (ability to load any combination of assay packs)\*\*

Automatic disposal of empty packs

## Immunoassay Menu Capacity

> 50 preprogrammed, bar-coded immunoassay methods currently available\*\*

## Bar-coded Reagents

Automatic tracking of

Available tests

Expiration date

Lot number

Calibration expiration

## Calibration

Calibration stability up to 56 days (assay dependent)

Calibration data and parameters displayed on screen and in printouts

## Communication Modes

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

RS-232C Serial

## Sample Container Sizes

Primary tubes

12 or 13 x 75 mm glass

12 or 13 x 75 mm plastic

13 x 100 mm

16 x 75 mm

16 x 85 mm

Sample cups

0.5 mL cup

2 mL cup

1 mL insert in a 13 x 100 mm tube

3 mL in 16 x 100 mm rack

2 mL insert in a 16 x 100 mm tube

1 mL insert in a 13 x 75 mm tube

Pediatric insert in adaptor

Autoaliquot tubes

## Sample Types (assay dependent, partial list)

Serum

Plasma

Urine

Amniotic fluid

Whole blood

## Sample Management/Capacity

60 sample tubes (15 racks of four tubes), continuous loading

Primary tube released after aliquot is made ( $\leq 5$  min.)

300 aliquots ( $\leq 200$   $\mu$ L) per hour

Capable of automation connection

Bar-code symbologies:

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 – 250  $\mu$ L (assay dependent)

560  $\mu$ L in aliquot vessel, maximum

(including any potential reflex tests)

Sample and reagent pipettor obstruction detection

## Power and Environmental Requirements

Analytic unit

220 VAC, 20 A

50/60 Hz, nominal

L6 – 20P twist-lock plug (optional unterminated plug for international use)

Console (system and monitor)

100 – 240 VAC

110 VAC, 6 A

220 VAC, 3 A

50/60 Hz

NEMA 5 – 15P plug

Printer

110 VAC, 7 A

50/60 Hz

NEMA 5-15P plug

Heat output

3775 BTU/hr (analytic unit)

1280 BTU/hr (console)

1433 BTU/hr (printer)

Ambient operating environment

Ambient temperature: +18°C to +32°C ( $\leq 2^\circ$  C change per 30 min.)

Relative humidity: 20 to 85% relative, non-condensing

Altitude:  $\leq 7,500$  ft. (2286 m)

Noise generated:  $\leq 65$  dBA (1 meter in front, 185 cm from floor, 18-25 deg C)

## Dimensions and Weight

Analyzer

Height: 67 in (170 cm)

Width: 61.5 in (156 cm)

Depth: 37.5 in (95.5 cm)

Weight: 1065 lbs (483 kg)

Console cart

Height: variable

Length: 29.8 in (75.7 cm)

Depth: 37.8 in (96 cm)

Clearance requirements

Top clearance: 8.5 in (22 cm)

Front clearance: 22 in (56 cm) for supplies

36.5 in (93 cm) to open SPU

Rear clearance: 11.8 in (30 cm) for ventilation

14.5 in (37 cm) to open top cover

Side clearance (cart): 29.8 in (75 cm)

## Waste Requirements

Solid waste collected in waste container

Liquid waste collected in two reusable plastic containers

(optional floor drain kit available)

\* Lumi-Phos is a trademark of Lumigen™, a Beckman Coulter Company

\*\* Contact your Beckman Coulter representative for DxI 600 assay availability in your country



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