UniCel® Dxl 600
Access® Immunoassay System

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

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® Dxl 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® Dxl 600 Access® 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

**Immunosassay Menu Capacity**
- > 50 preprogrammed, bar-coded immunoassay methods currently available**

**Bar-coded Reagents**
- 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

**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 (≤ 5 min.)
- 300 aliquots (≤ 200 µL) per hour
- Capable of automation connection
- Bar-code symbologies:
  - Code 39 (Code 3 of 8, or SD-3)
  - Code 128 (USD-6)
  - Interleaved 2 of 5 (USD-1)
  - Codabar (USD-4)
- Sample volume
  - 5 – 250 µL (assay dependent)
- 560 µL 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
  - 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 (≤ 2°C change per 30 min.)
  - Relative humidity: 20 to 85% relative, non-condensing
  - Altitude: ≤ 7,500 ft. (2286 m)
  - Noise generated: ≤ 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)
- 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
  - Rear clearance: 11.8 in (30 cm) for ventilation
  - 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 lot available)

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* Lumi-Phos is a trademark of Lumigen™, a Beckman Coulter Company
** Contact your Beckman Coulter representative for Dxl 600 assay availability in your country