

UniCel™ DxI 800 Access® Immunoassay System

**Why Run 400 Immunoassays Per Hour?
Because Now You Can.**



In today's laboratory, effective immunoassay testing demands a balancing act – speed and efficiency with accuracy and precision. With the right instrument, your lab can:

- Increase throughput
- Reduce manual processes
- Maximize asset management; manage total costs
- Consolidate testing
- Improve service to physicians

The UniCel DxI 800 – Beckman Coulter's newest immunodiagnostic system – simplifies and automates your immunoassay testing to deliver improved patient care:

- Maximum throughput of **400 tests per hour**
- Simplified operation to **boost your laboratory's productivity**
- **Proven analytical performance** with chemiluminescent detection
- **Broad menu** of sensitive assays with **flexible on-board configuration capability**
- Standardized assay technology for **consistent test results** across platforms

Simplified Operation Enhances Productivity

Load all consumables 'on-the-fly.' The ingenious operating system allows operators to load all consumables without interacting with the system console. Colored lights and pictogram on the analytical unit alert operator to supplies that need replenishing.

Identical reagents and calibrators to Access®, Access 2 and LX®i 725 systems. Labs can simplify their inventory management.

Refrigerated reagent storage. The system stores 50 reagent packs for one of the highest on-board testing capacities in the industry. Refrigeration enhances reagent stability; the system can load four new reagent packs at a time; no reagent preparation is required; empty packs are automatically thrown away.

Easy-to-use operator interface. The intuitive graphical interface, with touch screen operation, offers context-sensitive help to minimize downtime. Labs equipped with the DxI 800 and Access 2 will find many similarities in screens and system operation to expedite cross-training.

Automated Sample Handling Streamlines Workflow

Immediate processing of primary tube.

The system automatically creates a sample aliquot, so the primary sample tube is released in under five minutes for testing in other areas of the lab. This helps improve turnaround time and service to physicians.

STAT interrupt capability.

Routine sample loading can be interrupted for STAT samples to improve turnaround.

Load up to 120 samples at once. The continuous load feature delivers up to four hours of walkaway operation for exceptional efficiency.

Obstruction detection. The sample probe is equipped with radio frequency level sensing to detect short samples. Sample and reagent probes are equipped with obstruction detection to ensure sample and result integrity.

Integration with automation. The Dxl 800 can be connected to laboratory automation systems*, including Beckman Coulter's Progressive Automation Solutions. Operators maintain access for STATs, calibrators and other special samples from the front of the system.

Innovation Delivers Powerful Efficiency

Proven chemiluminescent technology. The Dxl 800 features Beckman Coulter's proven chemiluminescent detection and magnetic particle separation technology, which delivers excellent precision, broad dynamic range and exceptional sensitivity. Multiple assay protocols also improve assay performance.

Equivalent assay performance. Access, Access 2, LX[®]i 725, and Dxl 800 systems are uniquely suited to the demands of hospital networks. Because the systems use identical reagents and protocols, the consistency of patient results is assured, no matter where the sample is assayed.

Ingenious system design with built-in redundancy. Multiple pipettors help deliver the highest throughput of any immunoassay system available today. Assay protocols duplicate the protocols of other systems to provide the equivalent patient results.

* Under development

Process verification. Built-in process monitoring includes pressure sensors on fluidic channels, radio frequency sensors on the probes and motor position sensors to provide confidence in the integrity of results.

Refrigeration of sample aliquot. To improve workflow, the system creates an aliquot based on the volume of requested tests, plus any potential reflex condition. Up to 288 sample aliquots can be stored in a patented refrigerated compartment for three hours, facilitating rerun and reflex testing. This feature allows efficient scheduling of assays.

Broad menu. In addition to industry-leading assays, such as AccuTnl Troponin I and Hybritech PSA and free PSA, the Dxl 800 offers a broad menu across a wide variety of disease states. An aggressive menu development program means you can count on the system menu to grow as your lab and testing requirements grow.

Integrated systems. The UniCel Dxl 800 is the first of Beckman Coulter's next-generation systems. The UniCel family is designed to connect immunoassay, chemistry, and hematology and sample processing in a seamless, high-productivity solution.

Your Source for Immunoassay Testing

Whether you manage a core or satellite laboratory, a hospital network, or physician's office lab, Beckman Coulter has an immunoassay system that can meet your specific testing requirements. Productivity and efficiency enhancements are within the reach of all types of laboratories.

Simplified, automated, and innovative immunoassay solutions. Yours from Beckman Coulter.

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