ENHANCE LABORATORY EFFICIENCY. OPTIMIZE WORKFLOW. TRUST RESULTS.

Walkaway performance that confidently delivers fast and accurate results

UniCel DxI Access Immunoassay Systems
PERFORMANCE THAT DELIVERS FAST AND ACCURATE RESULTS YOU CAN TRUST FOR MID- TO HIGH-VOLUME LABORATORIES

Fast throughput for demanding workloads
The UniCel DxI Access family of analyzers is designed to meet the throughput needs of any mid- or high-volume laboratory. Whether it is the DxI 600, that can run up to 200 tests per hour, or the high-speed DxI 800, with a maximum throughput of 400 tests per hour, each DxI analyzer uses the same proven chemiluminescent technology, the same reagent packs and the same assay protocols. So, your laboratory can deliver consistent and accurate patient results faster, no matter which UniCel immunoassay system performs the test. Equivalent patient results simplify interpretation by physicians, which helps improve patient care.

Standardization simplifies and improves operational efficiencies
The entire UniCel DxI Access family of immunoassay systems features standardized test menus, assay protocols, instrument processes and reference ranges that minimize training requirements and streamline inventory management tasks. No matter the system, experience labor cost savings and deliver consistent results across your healthcare delivery network.
Proven analytical performance

The core of UniCel DxI Access systems is Beckman Coulter’s proven chemiluminescent detection and magnetic particle-separation technology.
› Excellent precision and sensitivity through chemiluminescence technology
› Chemiluminescent detection helps eliminate reaction noise
› Rapid assay kinetics improve the turnaround time for many assays

Fast and accurate results

Under the sleek covers of any UniCel DxI Access instrument, is a system of multiple, auto-matched pipettors working in parallel to deliver sample and reagent into the reaction vessels. Each independent pipettor utilizes the same assay protocols as other systems in the family.
› Multiple pipettors offer built-in redundancy for maximum system uptime
› Process monitoring provides confidence in the integrity of results
› The probe wash tower efficiently cleans sample probes, eliminating the need for disposable tips
› Pick-and-place vessel transport technology works with the process scheduler to make sure throughput and assay performance are optimized

Minimal maintenance means more uptime

› Minimal “hands-on” daily maintenance and no weekly maintenance increases instrument uptime, enhancing productivity
› A wide array of sensors monitor system status and test processing to ensure result integrity
› Automated cleaning procedures ensure optimal instrument performance
Streamlined sample handling

With a UniCel DxI system, operators will experience high throughput with consistent rack loading that won’t interrupt system operation. Our instruments are designed to meet various throughput needs with streamlined sample handling. The UniCel DxI 600 has a 60-specimen capacity and the UniCel DxI 800 has a 120-specimen capacity.

› The system automatically creates aliquots of the sample, so each rack is released in less than five minutes for testing in other areas of the laboratory, eliminating bottlenecks
› Routine sample loading can be interrupted to load STAT samples quickly—your laboratory can take advantage of the system’s full menu without impacting the throughput of STAT assays
› Radio-frequency sensors on the sample probe alert operators to short samples
› Obstruction detection on the sample and reagent probes helps ensure sample integrity and accurate results
› Sample probes are washed after each aliquot, eliminating the need for disposable tips and preventing possible carry-over

Onboard aliquot capability

The UniCel DxI system creates aliquots based on the volume of requested tests, plus any additional volume required for user-defined reflex or repeat test scenarios. To maintain sample stability and facilitate any additional testing, the system stores the aliquots for up to three hours in a refrigerated storage area. This unique aliquot capability of the UniCel DxI helps improve your laboratory workflow.

› The automatic reflex capability eliminates the task of tracking down sample tubes and reloading them
› The same vessel type is used for aliquots and reactions
› Allows on-system, user-defined reflex conditions and repeat testing for automatic dilutions
Intuitive user interface
Operators find the graphical user interface with touch-screen capability very easy to use. Manual test requests, calibration and QC can be accomplished in just a few steps, reducing operator time.
› The software includes context-sensitive help to facilitate troubleshooting and operator training
› Laboratories equipped with other Access systems will find many similarities in the user interface screens and system operation, which expedites operator training

Simplicity in motion
The UniCel DxI systems deliver high throughput with minimal operator intervention.
› Operators can load all reagents and consumables “on-the-fly” without using the console computer
› Operators can still access the system from the front for STATs and other sample exceptions
› Indicator lights alert operators to system status and a pictogram shows which supplies need replenishment
› The system delivers up to three hours of walkaway operation

Efficient reagent system
Barcoded, liquid, ready-to-use reagents can be loaded on the system quickly and easily. The system holds 50 reagent packs, which gives you the flexibility to configure the system menu to match your testing requirements.
› Load up to four reagent packs at a time without touching the system console
› System maintains stored reagents in an on-board refrigerator, maintaining reagent stability
› Reagent packs are compatible with other Access systems
› Easy-to-use liquid calibrators for almost all assays
Remote monitoring

PROService is an optional, remote management system that continuously monitors Beckman Coulter instruments to identify problems before they become evident in the laboratory. If a parameter goes out of normal range (e.g., temperature, power or vacuum pressure) PROService automatically alerts the Beckman Coulter support center.

A call center agent may then contact your laboratory and, with permission, perform further diagnosis or actual system correction. If a service visit is necessary, your Field Service Engineer (FSE) is able to bring the right parts and supplies needed to correct the problem. Additional benefits include:

› Decrease in workflow disruptions that may be caused by an onsite FSE
› Beckman Coulter’s PROService Alert Triggers communicate predictive failures that communicate issues to support teams for review before an unexpected downtime scenario
› The time-to-resolution is decreased with remote monitoring, triage and repair, so customers can return to normal operation as quickly as possible. Remote monitoring can eliminate travel of service engineers to a customer’s site, which can decrease the time it takes to resolve the problem helping to ensure a higher level of business continuity—sustained testing, less downtime
› Benefit from immediate and accurate diagnosis. Help is only a mouse click away for instant remote support from trained Beckman Coulter personnel. Their toolsets ensure timeliness and accuracy. If parts are required, they can be shipped and an FSE can be onsite (if needed)
Entry automation

Clinical laboratories of all sizes are facing ever-increasing demands for a broader test menu, rapid test turnaround times and optimal workflow with reduced human intervention. The Power Link system, which links a DxC 700 AU chemistry system and DxI immunoassay analyzer into an entry-level automated system, is designed to meet the needs of medium- to high test volume laboratories. The Power Link system offers a flexible, single-specimen workflow, eliminating the complexity and bottlenecks of aliquotting or rack-based systems. The Power Link system offers complex, rules-based sample and data management capabilities with labor savings and ease of service.

The REMISOL Advance enterprise data management system delivers smart IT solutions to keep your laboratory running smoothly. By combining REMISOL Advance with automation, laboratory processes can be enhanced even further. That’s because automation eliminates many time-consuming manual tasks and allows your lab to accommodate greater test volume demands without additional labor resources. REMISOL Advance consolidates patient test information, delivers real-time data, improves sample tracking and enhances results archiving.

Partnering with Beckman Coulter gives customers access to this unique, integrated solution to achieve desired clinical effectiveness and operational efficiencies.

Discover the difference.
### BROAD IMMUNOASSAY MENU

**Adrenal/Pituitary**
- Cortisol (Serum, Plasma, Urine)

**Anemia**
- Active B12*
- EPO
- Ferritin
- Folate
- Folate (RBC)
- Intrinsic Factor Ab
- Vitamin B12

**Blood virus**
- HAV Ab
- HAV IgM
- HBC Ab
- HBC IgM
- HBs Ab
- HBs Ag
- HBs Ag Confirmatory
- HCV Ab V3†
- HIV Combo†

**Bone metabolism**
- Intact PTH (Routine or Intraoperative)
- Ostase
- Ultrasensitive hGH
- 25(OH) Vitamin D Total

**Cardiovascular**
- AccuTnl+3 (Troponin I)
- CK-MB
- Digoxin
- hsTnl
- Myoglobin
- Triage BNP†

**Diabetes**
- Ultrasensitive Insulin

**Infectious disease**
- CMV IgG
- CMV IgM
- Rubella IgG
- Rubella IgM
- Toxo IgG
- Toxo IgM II

**Inflammation**
- IL-6 (RUO in Japan)

**Reproductive**
- AFP (ONTD)
- AMH
- DHEA-S
- Estradiol
- hLH
- Inhibin A
- PAPP-A
- Progesterone
- Prolactin
- Sensitive Estradiol
- SHBG
- Testosterone
- Total βhCG (5th IS)
- Unconjugated Estradiol

**Thyroid**
- T3 (Free and Total)
- T4 (Free and Total)
- Thyroglobulin
- Thyroglobulin Ab II
- Thyroid Uptake
- TPO Ab
- TSH (3rd IS)

**Tumor markers**
- AFP
- CEA
- BR Monitor (CA 15-3 Antigen)
- GI Monitor (CA 19-9 Antigen)
- OV Monitor (CA 125 Antigen)
- Prostate Health
- Hybritech PSA
- Hybritech free PSA
- Hybritech p2PSA
- Prostate Health Index (phi)*

With a broad menu across a wide variety of disease states, the UniCel DxI immunoassay system enables your laboratory to consolidate workstations. A continuous menu development program means that the system menu will grow as your lab and testing requirements grow.