



FAST THROUGHPUT FOR TIME-SAVING RESULTS

Walkaway performance that enables
confident delivery of fast, accurate results

UniCel DxI Access Immunoassay Systems



» Move healthcare forward.

» EFFICIENT OPERATION FOR EXCEPTIONAL PRODUCTIVITY



UniCel DxI 600 Access Immunoassay System



UniCel DxI 800 Access Immunoassay System

Fast throughput for demanding workloads¹

The UniCel DxI Access systems are designed to meet the clinical and business needs of laboratories of every size by improving workflow efficiencies, reducing operator intervention and increasing productivity. The UniCel DxI 600 Access can run up to 200 tests per hour, and the UniCel DxI 800 Access offers a throughput of up to 400 tests per hour in a random access, fully automated system. Both provide fast and accurate results with Beckman Coulter's proven chemiluminescent technology, while utilizing the same reagent packs and the same protocols.

Standardization simplifies and improves operational efficiencies¹

All UniCel DxI Access immunoassay systems feature standardized test menus, assay protocols, instrument processes and reference ranges that minimize training requirements and streamline inventory management tasks. No matter the system, laboratories will experience labor cost savings and deliver consistent results across the entire healthcare network.



Proven analytical performance¹

The core of UniCel DxI Access systems is Beckman Coulter's proven chemiluminescent detection and magnetic particle-separation technology.

- › Chemiluminescence technology provides excellent precision and sensitivity
- › Chemiluminescent detection helps eliminate reaction noise and delivers accurate result
- › Rapid assay kinetics improves turnaround time

Fast and accurate results¹

Under the sleek covers of every UniCel DxI Access system, is a system of multiple, auto-matched pipettors, working in parallel to deliver the sample and reagent into the reaction vessels—achieving a peak throughput of up to 400 immunoassay tests per hour.

- › Multiple pipettors offer built-in redundancy for maximum system uptime
- › Process monitoring provides confidence in the integrity of test results
- › The probe wash tower efficiently cleans sample probes, eliminating the need for disposable tips
- › Pick-and-place vessel transport technology synchronizes with the process scheduler to make sure throughput and assay performance are optimized

Minimal maintenance means more uptime¹

- › Minimal “hands-on” daily maintenance and no weekly maintenance increases system uptime and enhances productivity
- › A wide array of advanced sensors monitor system status and test processing to ensure operational integrity
- › Automated “behind-the-scenes” cleaning procedures ensure optimal system performance



EASE OF USE DESIGN TO MEET DEMANDING NEEDS

Onboard aliquot capability

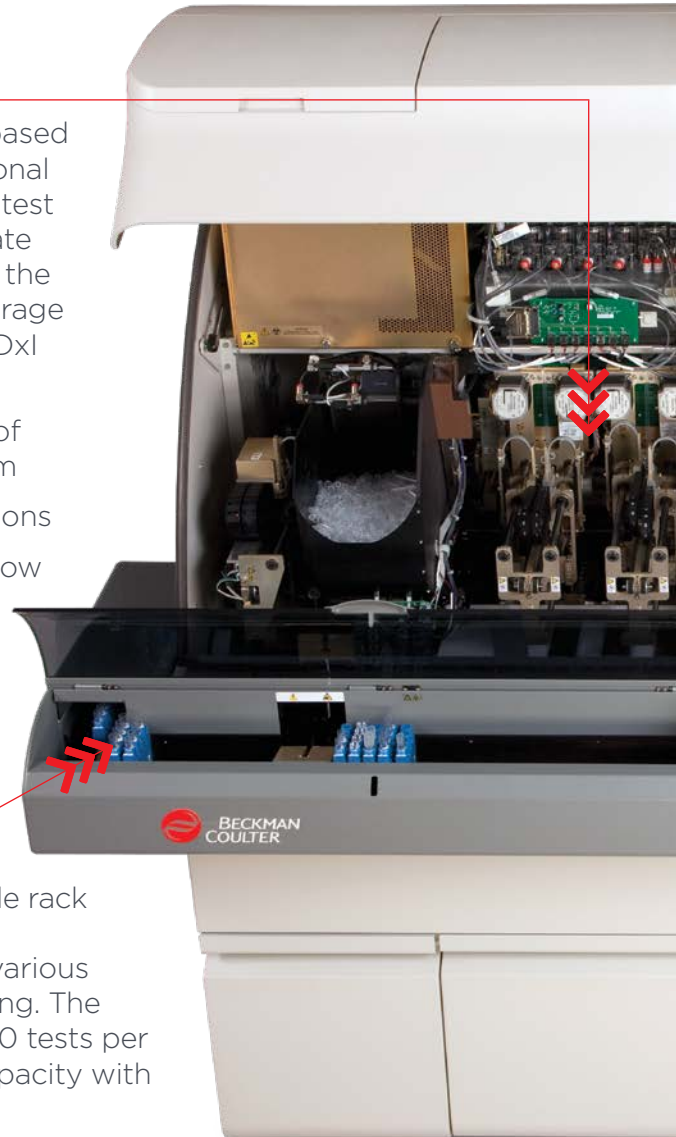
Each UniCel DxI Access system creates aliquots based on the volume of requested tests, plus any additional volume required for user-defined reflex or repeat test scenarios. To maintain sample stability and facilitate any additional required testing, the system stores the aliquots for up to three hours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

- › Automatic reflex capability eliminates the task of tracking down sample tubes and reloading them
- › Same vessel type is used for aliquots and reactions
- › Automated onboard dilution streamlines workflow

Streamlined sample handling

With a UniCel DxI Access system, operators will experience high throughput with consistent sample rack loading that won't interrupt system operation. Beckman Coulter systems are designed to meet various throughput needs with streamlined sample handling. The UniCel DxI 600 has a 60-sample capacity with 200 tests per hour, and the UniCel DxI 800 has a 120-sample capacity with 400 tests per hour.

- › The system automatically creates aliquots of the sample, so each sample 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—laboratories can take advantage of the system's full menu without impacting the throughput of STAT samples
- › 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



Simplicity in motion

Both of the UniCel DxI Access systems deliver high throughput with minimal operator intervention, making them both powerful and easy to use.

- › Operators can load all reagents and consumables “on-the-fly” without using the console computer
- › Operators can access the system from the front for STATs, calibrators 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

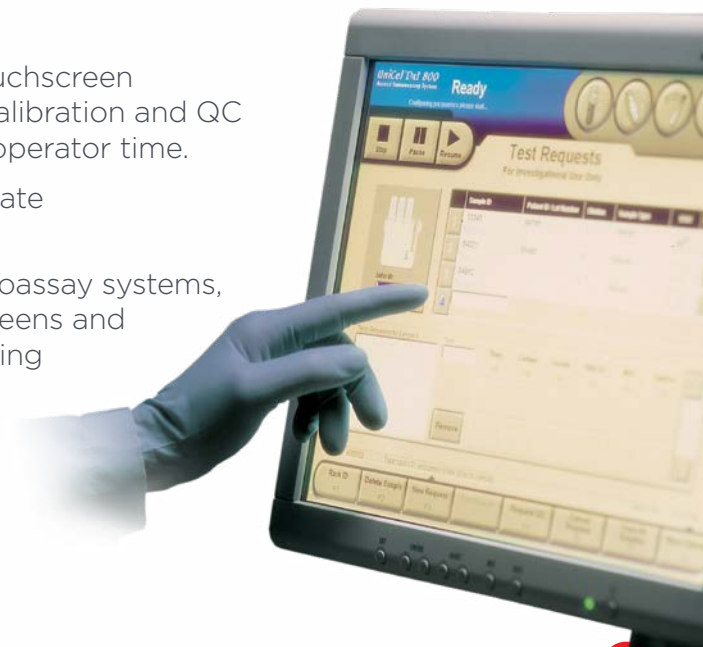
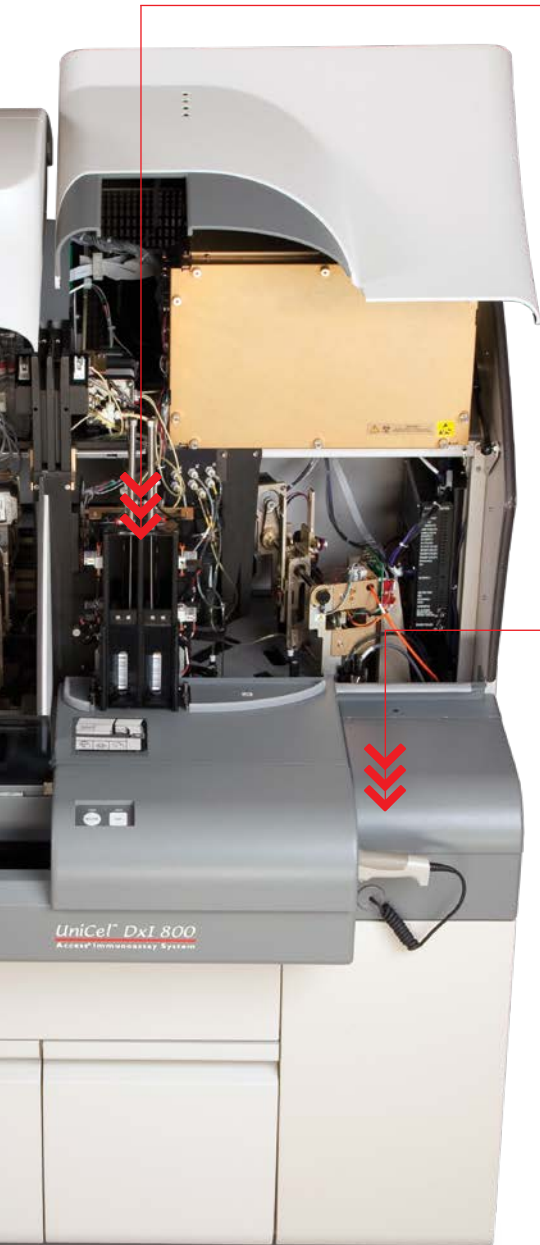
Barcoded, liquid, ready-to-use reagents can be loaded on the system, quickly and easily. The system holds 50 self-sealing reagent packs, which offers the flexibility to configure the system menu to match unique testing requirements.

- › Operators can load up to four reagent packs at a time without touching the system console
- › Each reagent pack is liquid and ready to use
- › The system maintains stored reagents in an onboard refrigerator, preserving reagent stability up to labeled expiration dates
- › Reagent packs are compatible with all other Access immunoassay systems***
- › Easy-to-use liquid calibrators can be used for most reagents

Intuitive user interface

Operators find the graphical user interface with touchscreen capability very easy to use. Manual test requests, calibration and QC can be accomplished in just a few steps, reducing operator time.

- › Software includes context-sensitive help to facilitate troubleshooting and operator training
- › Laboratories equipped with other Access immunoassay systems, will find many similarities in the user interface screens and system operation, which expedites operator training





MORE THAN BECKMAN COULTER IMMUNOASSAY

Clinical information management tools

Today's clinical laboratories and healthcare networks face new challenges, as cost pressures and productivity demands increase with the need to impact the quality of patient care. Beckman Coulter has a deep understanding of these challenges and is the ideal informatics partner, as you strive to meet these goals, elevate your laboratory's status within the hospital network and ultimately improve patient care.

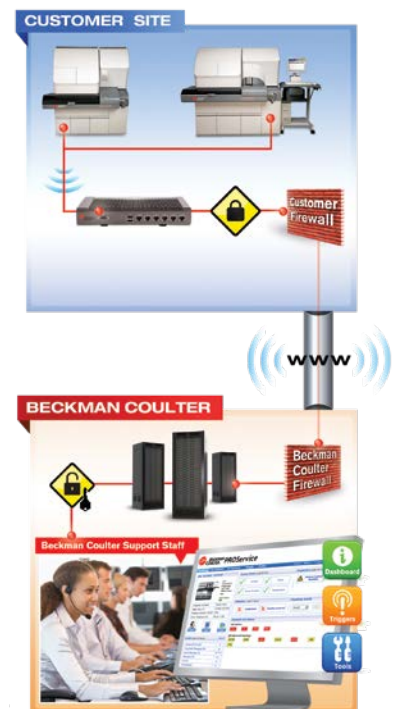


Beckman Coulter's clinical information management tools provide:

- › Centralized management of laboratory instrumentation and data workflows to deliver the highest-quality test results with the shortest turnaround time
- › Real-time operational analysis to support clinical and business decision-making
- › Superior customer service delivered with customized dashboards, reporting and automated notifications
- › Scalable infrastructure to minimize redundant capital investment and recurring costs across the care-delivery network

The portfolio of clinical informatic tools includes:

- › DxONE to empower laboratories to do what they do best—make a difference. Optimize workflows, standardize processes, streamline inventory and enable decision-making through analytics
- › REMISOL Advance to improve efficiencies within and across the laboratory network through the automation and standardization of processes
- › hc1.com¹ to deliver solutions for business intelligence and relationship management needs in a cloud-based platform
- › PROService to maximize instrument uptime and resolve issues with advanced remote service tools, enabling shortened service time



Empowering efficiency and quality results in entry-level automation

Clinical laboratories of all sizes are facing ever-increasing demands for broader test menus, rapid test turnaround times and optimal workflow with reduced human intervention. The Power Link system, which links an AU680 chemistry system and a UniCel Dxl immunoassay system into an entry-level automated system, is designed to meet the needs of medium- to high-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 advanced, rules-based sample and data-management capabilities to increase labor savings and ease of service.



AU680

Power Link

UniCel Dxl 600 or 800

Delivering high-quality laboratory solutions, such as the AU480 chemistry and UniCel Dxl 600 or UniCel Dxl 800 immunoassay systems, is part of Beckman Coulter's vision to advance healthcare for every person. It is one component of a larger, integrated solution called the Beckman Coulter Diagnostics Difference, the company's commitment to partnering with clinical laboratories to:

- › Improve patient care with comprehensive high-quality clinical diagnostic solutions, including scalable and reliable systems, advanced workflow automation and assays designed for quality and accuracy
- › Strengthen confidence in clinical and operational decision-making through clinical information management tools that put people first
- › Maximize staff effectiveness and laboratory uptime through top-tier service and instrument uptime
- › Drive an achievable and sustainable culture of continuous improvement through the Danaher Business System (DBS)

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

Discover the difference.

DANAHER BUSINESS SYSTEM
CLINICAL INFORMATION
MANAGEMENT TOOLS



COMPREHENSIVE, HIGH-QUALITY
CLINICAL DIAGNOSTIC SOLUTIONS
TOP-TIER SERVICE AND UPTIME



BROAD IMMUNOASSAY MENU

Adrenal/Pituitary

Cortisol (Serum, Plasma, Urine)

Anemia

Active B12*
EPO
Ferritin
Folate
Folate (RBC)
Intrinsic Factor Ab
sTfR
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

hsTnl
CK-MB
Digoxin
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
hFSH
hLH
Inhibin A
Inhibin B**
PAPP-A
Progesterone
Prolactin
Sensitive Estradiol
SHBG
Testosterone
Total β hCG (5th IS)
Unconjugated Estriol

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 laboratories to consolidate workstations. A continuous menu development program means that the system menu will grow as lab and testing requirements grow.

Reference

1. UniCel DxI Access Immunoassay System, Operator's Guide. C00548-A4, October 2016.

Contact the local Beckman Coulter sales representative for availability.

* In development.

** Available in ELISA format.

*** Access Vitamin D and Access hsTnl have different orders numbers for the Access 2 system.

† Available through a partnership with Bio-Rad Laboratories, Inc.

‡ Available exclusively from Quidel or its authorized distributors for use on Beckman Coulter Immunoassay Systems.

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§ *phi* is a combination of Hybritech PSA, free PSA and p2PSA.

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Move healthcare forward.