

Why have **50 reagent** spaces on-board?
To provide the **flexibility** you want.

UniCel DxI 600 Access Immunoassay System

Blood Banking
Centrifugation
Chemistry
Flow Cytometry
Hematology
Hemostasis
Immunoassay
Information Systems
Lab Automation
Molecular Diagnostics
Rapid Diagnostics





Uniflex Dext 500

Simplified, Automated, Innovative Immunoassay Testing

When it comes to immunoassay testing, mid-volume laboratories have unique challenges requiring exceptional productivity and ease-of-use, plus a broad menu to support a wide range of testing.

Laboratories associated with other satellite labs need to deliver patient results that are consistent, no matter where the tests are performed.

The UniCel DxI 600 Access Immunoassay System is your solution.

Efficient Reagent System

Bar-coded, liquid, ready-to-use reagents can be loaded on the system quickly and easily. The system holds 50 reagent packs, giving you the flexibility to configure the system menu to match your testing requirements. Your lab can now load enough reagents to perform your STAT and high volume assays and still have plenty of room for other routine and esoteric tests.

- Load multiple reagent packs at a time, without touching the system console.
- Each assay needs only one reagent pack.
- The refrigerated storage compartment assures reagent stability.
- System software manages reagent inventory, providing you with Test Name, Lot Number, Expiration Date, Tests Remaining.
- Reagent pack compatibility with other UniCel immunoassay systems simplifies inventory management and reduces waste.
- Easy-to-use liquid calibrators also reduce process steps improving your operational efficiency.

Load any combination of tests, depending on your need.

Simplicity in Motion



The UniCel DxI 600 delivers exceptional performance with minimal operator intervention.

Load 'On-the-Fly'

The UniCel DxI 600 is extremely flexible and amazingly simple to use.

- Operators can load all reagents and consumables 'on-the-fly' without using the console computer, minimizing manual intervention.
- Indicator lights alert operators to system status.
- Wash buffer, reaction vessels and other supplies are conveniently packaged in large volumes reducing the frequency to change supplies.
- The system delivers up to three hours of walkaway operation.

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 Call Center. A Call Center agent may then contact your lab and, with permission, perform further diagnosis or actual system correction. If a service call is necessary, your Field Service Engineer is able to bring exactly the right parts and supplies needed to correct the problem.

Building on Strength

The UniCel Dxl 600, with a maximum throughput of up to 200 tests per hour, uses the same proven chemiluminescent technology, the same reagent packs, and assay protocols comparable to other analyzers in the UniCel immunoassay family. So, your laboratory can deliver uniform patient results, no matter which UniCel immunoassay system performs the test. Equivalent patient results simplify interpretation by physicians, which helps improve patient care.

For the laboratory, consistency between analyzers adds more benefits:

- Operator training is simplified and reduced.
- Inventory management is less time-consuming.
- Reliable system operation is achieved through proven technology.
- Menu development is optimized – resources are focused on delivering the panels patients need most.



Automation for Peak Productivity

Streamlined Sample Handling

With the UniCel Dxl 600, operators can load 15 racks – 60 samples – at one time or load racks continuously.

- Sample racks can be loaded directly from the centrifuge, further reducing manual processes.
- Racks are compatible with all Beckman Coulter UniCel systems, decreasing sample handling across multiple systems.
- 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 – improving patient result turnaround time.
- Automated on-board dilution helps streamline workflow and increase productivity.
- Routine sample loading can be interrupted to load STAT samples quickly.
- Radio-frequency sensors on the sample probe alert operators to short samples.
- Obstruction detection on the sample and reagent probes help ensure sample integrity and accurate results.
- With technologically advanced washing protocols for reagent probes, the UniCel Dxl 600 meets established specifications for carryover, eliminating the need for disposable tips.

By releasing the primary tube quickly, the system allows for continuous loading of routine samples, virtually eliminating bottlenecks.

Minimal Operator Interface

Operators find the graphical user interface, with touch screen capability, very easy to use. Sample programming, calibration and QC can be accomplished in just a few steps, reducing the amount of time operators spend.

- The software includes context-sensitive help to facilitate troubleshooting and operator training.
- Laboratories experienced with Access 2 or the UniCel DxI 800 will find many similarities in the user interface screens and system operation, which expedites operator training.

Minimal Maintenance

- To increase instrument uptime and enhance productivity, daily maintenance is performed in less than ten minutes.
- Interval-based maintenance requires minimal hands-on time.
- Automated 'behind the scenes' cleaning procedures ensure optimal instrument performance - the technology performs maintenance, not the technologist.



On-board Aliquot Capability

The UniCel Dxl 600 creates aliquots based on the volume of requested tests plus any additional volume that may be required for user-defined reflex or re-run test scenarios. To maintain sample stability and facilitate any additional testing that may be required, the system stores the aliquots for up to three hours in a patented refrigerated storage area.

- The automatic reflex capability eliminates the task of tracking down sample tubes and reloading them, which improves efficiency and turnaround time.
- To simplify inventory management, the same vessel type is used for aliquots and reactions.

Automated On-board Dilution*

- On-board dilution improves workflow efficiency.
- Allows user-defined reflex conditions and repeat testing for automatic dilutions.

Integration with Automation

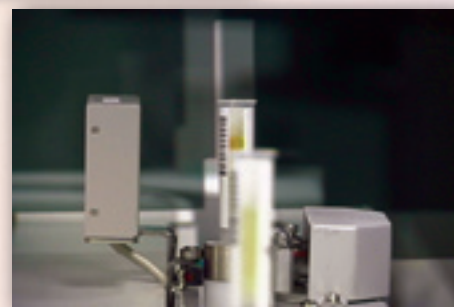
'Point-in-space' pipetting technology aligned with CLSI guidelines allows integration with laboratory automation systems, including Beckman Coulter's Progressive Automation Solutions.

- Operators are able to use the system from the front for STATs, calibrators and other sample exceptions.
- Sample tubes are aspirated in 18 seconds, and then quickly move on for further testing, which helps improve turnaround time and service to physicians.

* The UniCel Dxl on-board dilution feature is not available in all countries.



The unique aliquot capability of the UniCel Dxl 600 helps improve your laboratory workflow.



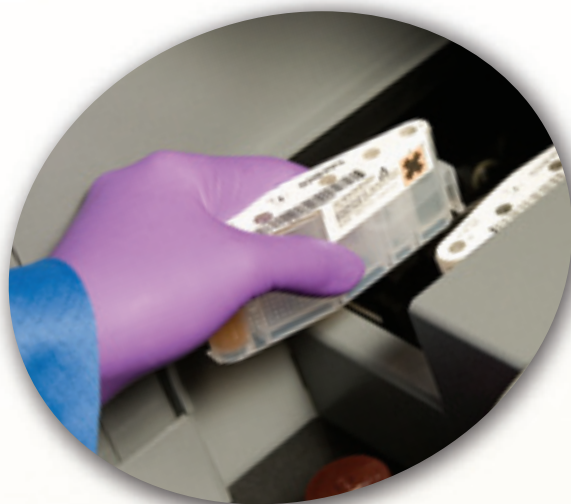
'Point-in-space' pipetting technology, used when connected to automation systems, helps prevent bottlenecks in sample processing.

Innovation Delivers Efficiency

Proven Analytical Performance

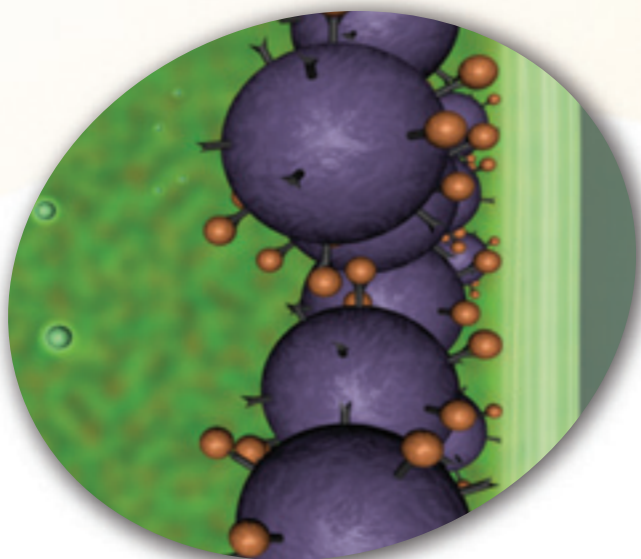
The core of the UniCel Dxl 600 is Beckman Coulter's proven chemiluminescent detection, magnetic particle-separation technology. Chemiluminescence delivers excellent precision and sensitivity, plus a broad dynamic range.

- Unlike many other immunoassay systems, the UniCel Dxl 600 uses multiple assay protocols, designed so assay performance is optimized.
- Rapid assay kinetics improve the turnaround time for many assays.
- The technology also optimizes the use of small sample volumes.
- Chemiluminescent detection helps eliminate reaction noise and deliver a more accurate result.

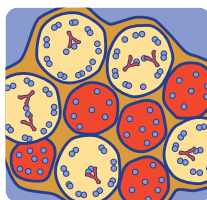


Broad Menu

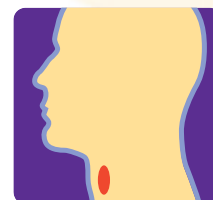
With a broad menu across a wide variety of disease states, the UniCel Dxl 600 enables your laboratory to consolidate workstations. An aggressive menu development program means that the system menu will grow as your lab and testing requirements grow, increasing your ability to recapture sendouts.



Chemiluminescence delivers excellent precision and sensitivity, and a broad dynamic range.



Autoimmune



Thyroid

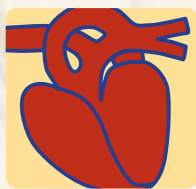
Ingenious System Design

Under the sleek covers of the UniCel Dxl 600, a system of multiple pipettors works in parallel to deliver sample and reagent into the reaction vessels – achieving a peak throughput of up to 200 tests per hour. Each independent pipettor utilizes assay protocols comparable to other systems in the family.

- Multiple pipettors offer built-in redundancy, for maximum system uptime.
- Sensors monitor system status and test processing to ensure result integrity.
- Pick-and-place vessel transport technology works with the process scheduler to make sure throughput and assay performance are optimized.
- Load-up and walk-away features allow you to do other critical tasks in your lab.



Process monitoring provides confidence in the integrity of results.



Cardiac



Tumor Markers



Bone Metabolism



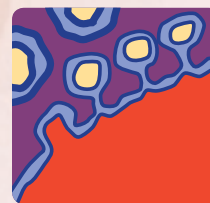
Infectious Disease



Reproductive



Anemia



Blood*
Virus

*Available outside the United States

Design for Tomorrow

The UniCel Dxl 600 is the continuation of Beckman Coulter's next generation analytical systems – which also includes UniCel DxC chemistry systems. UniCel systems are designed to integrate testing platforms in a seamless, high-efficiency and productivity solution for your laboratory.

With the UniCel Dxl 600, you can get started on the future of laboratory testing...today.



UniCel Dxl 800



UniCel Dxl 600



UniCel DxC 800



UniCel DxC 600



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China, Shanghai (86) 21 3865 1000 Croatia, Zagreb (38) 51 489 9003 Czech Republic, Prague (420) 272 01 73 32
Eastern Europe, Middle East, North Africa, South West Asia: Switzerland, Nyon (41) 22 365 3707 France, Villepinte (33) 1 49 90 90 00
Germany, Krefeld (49) 2151 33 35 Hong Kong (852) 2814 7431 India, Mumbai (91) 22 3080 5000 Italy, Cassina de' Pecchi, Milan (39) 02 953921
Japan, Tokyo (81) 3 5530 8500 Korea, Seoul (82) 2 404 2146 Latin America (1) (305) 380 4709 Malaysia, Kuala Lumpur (60) 3 5621 4793
Mexico, Mexico City (001) 52 55 9183 2800 Netherlands, Woerden (31) 348 462462 Poland, Warszawa (48) 22 366 0180 Puerto Rico (787) 747 3335
Singapore (65) 6339 3633 South Africa/Sub-Saharan Africa, Johannesburg (27) 11 564 3203 Spain, Madrid (34) 91 3836080
Sweden, Bromma (46) 8 564 85 900 Switzerland, Nyon (41) 0800 850 810 Taiwan, Taipei (886) 2 2730 2500 Turkey, Istanbul (90) 216 570 17 17
UK, High Wycombe (44) 01494 441181 USA, Brea, CA (1) 800 352 3433, (1) 714 993 5321