Most labs today can ill-afford disruptions to their routine workflow – laboratory managers are constantly working to meet ever-growing demands on their resources, both human and financial.

**Survival of the Fittest**

Beckman Coulter can help your lab stay on top of these challenges: introducing the next-generation UniCel® DxC 800 Clinical System. UniCel chemistry systems advance the proven technology of SYNCHRON systems with an expanded onboard capacity of 70 reagents.

Plus, they are part of the growing UniCel family of instruments – immunoassay, chemistry, automation and hematology – unified, standardized systems that help your lab become more productive and efficient.
The Capacity to Perform

Large onboard reagent capacity. With an onboard capacity of 70 different reagents, you can configure the DxC 800 system to meet your laboratory's specific testing patterns. And even though it's a new system, your lab can choose from a menu that includes more than 200 liquid, ready-to-use reagents that eliminate time-consuming reagent preparation.

Impressive stat speed. Like the systems of previous generations, the DxC 800 is designed to deliver stat test results faster than almost any other random-access instrument available today. Results for 11 critical care tests are available in 42 seconds.

Achieving peak throughput. Labs that process 600 - 1,000 chemistry samples per day will find that the system has the throughput to meet their demands, delivering up to 1,440 tests per hour. Workflow studies demonstrate that it can deliver the results for 100 comprehensive metabolic panels in just one hour.

Ease of use. More power doesn't require unnecessary complexity, as demonstrated by the easy-to-use, enhanced touchscreen interface. The interface look and feel is common in all UniCel systems to help streamline operator training.

More Reliable Operation

Low maintenance requirements. The UniCel DxC 800 builds on Beckman Coulter's tradition of low maintenance and reliable results. The system requires no daily maintenance and very little weekly maintenance. Operators can focus on delivering results to physicians, rather than focusing on manual tasks.

• Automated routines for some maintenance procedures eliminate hands-on time by operators.
• Online action logs and maintenance logs help your laboratory keep track of required maintenance.
• Automatic alerts for system maintenance free operators from keeping track of maintenance schedules.

Trouble-free operation. The UniCel DxC systems have been designed for robust and trouble-free operation with the latest in component technology. The systems provide maximum uptime and dependable operation.

• If operators encounter system messages while processing samples, they can access the online Instructions for Use. Online assistance means operators don't have to interrupt system processing to get the answers they need.

Engineered to deliver. The system includes capabilities designed to make your lab testing process run more smoothly. Your lab can count on high-quality, reliable results for each patient test.

• Detection optimization refers to the different detection methods are employed by the system, helping assure reliable results.
• Serum indices help eliminate the potential for human error by removing the need for visual, subjective interpretation of the level of hemolysis, icterus or lipemia contamination in a sample.
• Clot detection and correction help streamline analytical processing. Because the system detects clots and attempts to clear them, your lab will have fewer sample exceptions to handle at the end of the run.

Intelligence Boosts Processing Power

CTS and NIPIA deliver more. Your lab requires closed-tube sampling (CTS) capability for its hematology testing. Why accept less when it comes to chemistry? With the DxC 800, your laboratory can add CTS and Near Infrared Particle Immunoassay (NIPIA) detection to unleash even more productivity and more safety.

• Reduce the potential for worker injury by eliminating the de-capping step for most tubes. Technicians have less exposure to repetitive motion injuries, less exposure to biohazards and less exposure to injuries from broken tubes.
• Reduce the potential for errors. Keeping sample tubes capped helps prevent erroneous results caused by evaporation or contamination. And it helps prevent spills.
• Reduce time spent on tedious manual tasks. Your operators become more productive and focused on important tasks, such as reviewing results.
• Use the NIPIA detector, which operates at a 940 nm wavelength, to achieve reliable results for the low-concentration analyte high-sensitivity CRP.

Improved workflow and results management. With the optional advanced data manager, your laboratory can expand your workflow and result management capabilities and boost productivity, while streamlining the flow of information across the entire testing process.

• Automatic rerun of samples with abnormal results helps improve total turnaround time.
• Review-by-exception (based on user-defined criteria) improves operator's focus on abnormal results.
• Work-pending log helps operators spot potential workflow interruptions.

Exceptional Systems

The UniCel DxC 800 Clinical System can handle the menu, reagent capacity and throughput requirements that your lab needs. This exceptional system delivers reliable results and improved workflow, enhancing your lab’s service to physicians. And it’s part of the growing family of UniCel systems, the next generation in laboratory instrumentation.