

Transforming the hematology laboratory.

UniCel DxH 800 Coulter Cellular Analysis System

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



BECKMAN
COULTER

Transforming the way you work.

The UniCel DxH 800 Coulter Cellular Analysis System is a perfect fit for today's "Lean" laboratory practices. Performance is maximized because a smaller amount of effort is required from your staff, fewer resources are needed and you acquire test results in less time. The end result is incomparable value for your laboratory.

Designed for Reliability

From the ground up, the UniCel DxH 800 is engineered for ruggedness, reliability and dependability.

- Single aspiration pathway simplifies calibration and quality control process while eliminating mode-to-mode issues
- Sample Aspiration Module (SAM), with its unique design, reduces aspiration volume, especially benefitting pediatric samples



The UniCel DxH 800 offers pediatric sample capability.

- 2D-Digital Bar Code Technology maximizes reading capability, preventing errors and reducing misreads
- Remote Management System (RMS) proactively performs diagnostics with real-time troubleshooting, ensuring you of increased instrument uptime



The UniCel DxH 800 is a perfect fit for today's "Lean" laboratory practices.

- "Load 'n' go" operation is available with the Specimen Transport Module (STM), which uses a patented magnetic system that continuously loads up to 20 cassettes

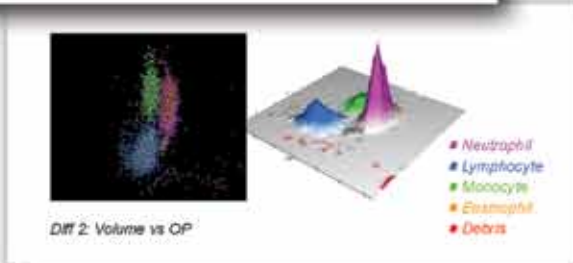
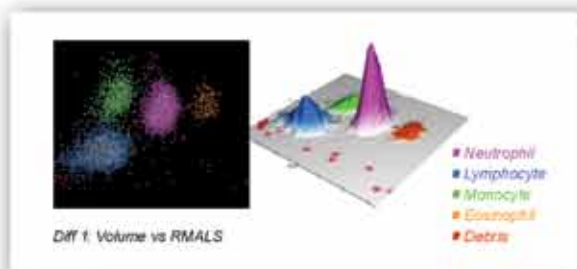


The "load 'n' go" feature allows walk-away operation.

Exceptional Quality of Results

With numerous patents pending or granted, the UniCel DxH 800 platform is built on a host of novel and proprietary technologies designed to increase accuracy, precision, sensitivity and specificity.

- High-Definition Cellular Analysis provides four times greater resolution to help you achieve a new level of performance
- With the Flow Cytometric Digital Morphology (FCDM) you get 10 times more data per sample leading to reduced review rates



Flow cytometric digital morphology optimizes system performance.

- Unrivaled NRBC: With its multi-angle scatter technology, onboard reagents and advanced algorithms, the DxH 800 delivers unequalled performance without the need for exclusive or expensive stains
- Using its data fusion capability, the system will correct for most of the common interferences in today's laboratory, ensuring first-pass accuracy and efficiency

Innovative Lean Efficiency Tools

From receipt of sample to reported result, the UniCel DxH 800 provides one of the leanest profiles of any analytical system in the industry. State-of-the-art data acquisition technology gathers significantly more data on each cell than any preceding hematology system.

- Extended decision rules promote consistent quality laboratory practices while reducing post-analytical errors and review rates

- Customizable repeat/reflex testing automatically tracks samples, reduces retrieval time and repeats the analysis without operator intervention
- Shares the same easy-to-use user interface as the UniCel DxH and UniCel DxL systems, reducing the training needs of your laboratory personnel



Easy-to-use interface reduces training.

- Intelligent Quality Monitoring (ICM) promotes confidence in test results by allowing real-time monitoring and avoiding process variances

Revolutionary Scalability

A host of innovative features enable you to tailor the UniCel DxH 800 to meet precisely your laboratory's needs.

- Intelligent workload distribution optimizes workflow by achieving rapid turnaround times, providing faster STAT and emergency department results
- The space-saving design creates an efficient working environment
- On-board tracking enables optimal reagent management
- With its "built-in automation" the DxH 800 can grow as you grow

The UniCel DxH 800 offers you a complete testing solution that improves patient care and lab productivity ... with effortless operation. Plus, it's backed by the award-winning, world-class service and support of Beckman Coulter.

UniCel DxH 800 Coulter Cellular Analysis System Specifications

Available Test Menu

CBC	WBC, UWBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW, RDW-SD, PLT, MPV
Differential	NE, LY, MO, EO, BA, NRBC, NE#, LY#, MO#, EO#, BA#, NRBC#
Retic	RET, RET#, MRV, IRF
Body Fluids (Spinal, Serous and Synovial)	TNC, RBC

Throughput

Up to 100 samples/hr

Aspiration Volumes

Open/Closed Vial 165 µL

Power

100–264 VAC and 48–62 HZ

DxH 800 System with System Manager and printer draws 1,185 watts

DxH 800 System with System Manager, printer and UPS draws 2,390 watts

Weight and Dimensions

	Depth	Width	Height	Weight
Specimen Processing Module	78.7 cm (31.0 in)	76.2 cm (30.0 in)	96.5 cm (38.0 in)	~117.5 kg (260 lb)
Pneumatic Supply	51.0 cm (20.0 in)	21.6 cm (8.5 in)	36.8 cm (14.5 in)	~18.4 kg (40.5 lb)
Optional Floor Stand	78.7 cm (31.0 in)	76.2 cm (30.0 in)	83.8 cm (33.0 in)	~125.6 kg (277 lb)

Whole Blood Performance — Measuring Range

WBC	0.000 – 400.000 X 10 ³ µL
RBC	0.000 – 8.500 X 10 ⁶ µL
HGB	0.00 – 25.50 g/dL
MCV	50.00 – 150.00 fL
PLT	0.0 – 3,000.0 X 10 ³ µL
NRBC	0.00 – 600.00/100 WBC
Retic	0.000 – 30.000 %

Data Management

Computer	Microsoft* Windows* XP
Database	40,000 patient results with graphics
Quality Assurance	QC with Levey-Jennings Graph, XB/XM for Moving Averages, Daily Check, Intelligent Quality Monitoring

Sample Transport Capabilities

Capacity	20 five-tube cassettes
Bar Codes	Digital Bar Code with 2D Bar Code capability
Sample ID	Up to 22 characters



Optional floor stand helps organize consumables and makes changing reagents easy.

www.beckmancoulter.com/DxH



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