

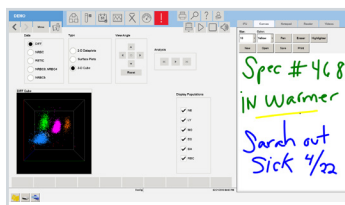
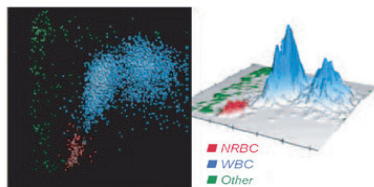
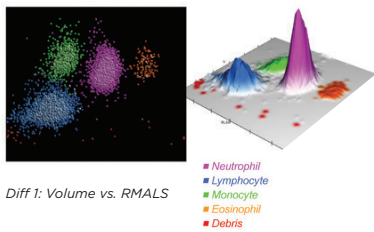


DESIGNED FOR EFFICIENCY IN YOUR LAB



Beckman Coulter is once again leading the way in Lean laboratory practices and efficiency with the introduction of the DxH 690T hematology analyzer.

Offering high-quality results, first-pass accuracy and efficiency through cutting-edge technology, the DxH 690T delivers unparalleled value for your mid- to large-volume laboratory—all within a 30-inch width in counter space.



93% First-pass Yield

Streamline workflow for more auto-verifiable results

- > 1/3 fewer low-confidence flags than other mid-volume analyzers¹
- > Unnecessary reruns can be bypassed for optimized reagent consumption
- > Near-native state cellular characterization with VCS 360 produces 2-D data plots, surface plots and 3-D cube formats to allow for enhanced visual cellular investigation

Extended Testing Capabilities

Precise and accurate results for even the most challenging samples

- > Automated extended counts for cytopenic samples in a single aspiration
- > Automatic particle recognition helps produce a reportable WBC differential for samples with lyse-resistant RBC
- > Extended reticulocyte panel, automated body-fluid analysis and exclusive Early Sepsis Indicator capability

Improved Workflow Efficiency in a Compact Design

Fewer touchpoints, higher uptime and longer walkaway time

- > Automated QC reruns and customizable calibration and QC reminders
- > Single aspiration pathway simplifies calibration and quality control processes, while eliminating mode-to-mode procedures
- > Autonomous cleaning for zero hands-on daily maintenance
- > Direct-from-instrument peer-group data upload with near-instant IQAP reports
- > Only four reagents for a full CBC/Diff/Retic panel in a compact footprint

Simplify Training and Support Lab Communication

Easy-to-use interface with broad capabilities

- > Extensive rule-writing capacity for automated analysis and decision making without the need for middleware
- > Lab's SOPs can be uploaded as a PDF file for easy user access
- > Preloaded instructional videos for infrequent instrument tasks
- > Notes feature enables daily announcements or upcoming event posts



DxH 690T SPECIFICATIONS



Reliable results through a 93% first-pass yield,¹ for less manual intervention and more predictable costs.



Workflow efficiency through high uptime and walkaway time.



Know Sooner. Act Faster. Early Sepsis Indicator, automatically reported as part of a routine CBC with differential test.

Analyzer	Configuration Detail	Maximum Throughput	Width	Depth	Height	Weight†
DxH 690T	Tabletop	100 samples/hour	75.57 cm (29.75 in)	82.80 cm (32.6 in) including the removable back panel 79.25 cm (31.2 in) excluding the removable back panel	82.42 cm (32.45 in) 103.1 cm (40.6 in) with cover lifted	254 kg (560 lbs)

Additional clearance: 3.8 cm (1.5 in) behind instrument for sufficient cooling, 15.2 cm (6.0 in) per side.

Whole Blood	Reportable Range	Precision
WBC x 10 ³ cells/μL	0.050–400.000	≤3.0%–5% CV
RBC x 10 ⁶ cells/μL	0.005–8.500	≤1.5% CV
HGB g/dL	0.10–25.50	≤1.5% CV
MCV fL	50.00–150.00	≤1.0% CV
PLT x 10 ³ cells/μL	3.0–3000.00	≤3.5% CV @100–200.0 x 10 ³ cells/μL
MPV fL	5.00–25.00	≤2.5% CV @PLT >100 x 10 ³ cells/μL

Body Fluid	Reportable Range	Precision
TNC cells/mm ³	20–89,000	≤10.0% CV
RBC cells/mm ³	1,000–6,200,000	≤15.0% CV



Sample Aspiration	Whole blood and body fluid; 165 μL aspiration volume; 0.5 mL dead volume Predilute with X5 dilution mode; 50 μL whole blood into 200 μL of diluent																
Methodology	Enhanced Coulter Principle, 360 VCS with DataFusion																
Available Test Menu	CBC: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW, RDW-SD, PLT, MPV Differential: NE, LY, MO, EO, BA, MDW, NRBC, NE#, LY#, MO#, EO#, BA#, NRBC# MDW (when enabled) Retic: RET, RET#, MRV, IRF Body fluids (CSF, serous and synovial): TNC, RBC, @BFM%, @BFP%																
Instruments	DxH 690T (OUS Sales Group)..... C42399 DxH 690T+ UPS (U.S. Sales Group)..... C38525																
Reagents (CBC/Diff/Retic)* and Controls	<table border="0"> <tr> <td>Coulter DxH Diluent..... 628017 10 L</td> <td>6C Plus Cell Control 12 x 3.5 mL.....PN C07297</td> </tr> <tr> <td>Coulter DxH Cell Lyse..... 628019 5 L</td> <td>6C Cell Control 9 x 3.5 mL.....PN A59925</td> </tr> <tr> <td>Coulter DxH Diff Pack..... 628020 EA</td> <td>6C Cell Control 12 x 3.5 mL.....PN 628027</td> </tr> <tr> <td>Coulter DxH Retic Pack..... 628021 EA</td> <td>Latron Control 8 x 4 mL, CP-X.....PN 628024</td> </tr> <tr> <td></td> <td>S-CAL Calibrator 1 x 3.3 mL.....PN 628026</td> </tr> <tr> <td></td> <td>Reticulocyte Controls Retic-X (12 x 3.5 mL).....PN 628028</td> </tr> <tr> <td></td> <td>Body Fluid Control 12 x 3.5 mL.....PN 628030</td> </tr> <tr> <td></td> <td>Linearity Product LIN-X.....PN 628029</td> </tr> </table>	Coulter DxH Diluent..... 628017 10 L	6C Plus Cell Control 12 x 3.5 mL.....PN C07297	Coulter DxH Cell Lyse..... 628019 5 L	6C Cell Control 9 x 3.5 mL.....PN A59925	Coulter DxH Diff Pack..... 628020 EA	6C Cell Control 12 x 3.5 mL.....PN 628027	Coulter DxH Retic Pack..... 628021 EA	Latron Control 8 x 4 mL, CP-X.....PN 628024		S-CAL Calibrator 1 x 3.3 mL.....PN 628026		Reticulocyte Controls Retic-X (12 x 3.5 mL).....PN 628028		Body Fluid Control 12 x 3.5 mL.....PN 628030		Linearity Product LIN-X.....PN 628029
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Cleaner	Coulter DxH Cleaner 628023 10 L—Preloaded for autonomous daily cleaning																
Power Consumption	Sample processing unit, 520 W (1775 BTU/hour) DxH standard computer, 160 W (546 BTU/hour) Monitor 35W (120 BTU/hour)																
Data Management	Up to 50,000 patient results with histograms, scatter plots and demographics																
Quality Assurance	QC with Levy-Jennings graph; XB/XM customizable calibration, QC reminders and alerts, auto-export of QC																
Sample Transport	Capacity: 20 five-tube cassettes per module (up to maximum of 400 samples with a DxH 900-3S). Barcodes: digital barcode with 2-D barcode capability, Sample ID: up to 22 characters																
Remote Monitoring	PROService remote management system: maximum uptime with walk-away troubleshooting and preemptive alerts of instrument issues with RAP box																
Power Supply Specifications	A three-wire AC outlet, single-phase power supplying 90–264 Vac at 48 to 63 Hz																
Acoustic Noise Level	<60 dBA																
Radio Frequency and Interference Immunity	Meets by the product-level standards EN 61326-1 (Electrical Equipment for Measurement, Control, and Laboratory Use—EMC Requirements), and EN 61326-2-6																

1. PN 2018-0122 FPY.

*Cyanide-free reagents.

†Without reagents.

Not all products available in all countries.

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