

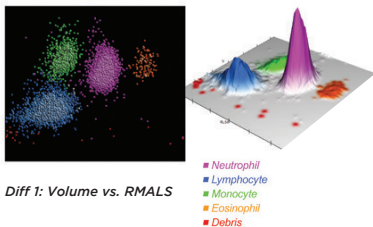


DESIGNED FOR EFFICIENCY IN YOUR LAB

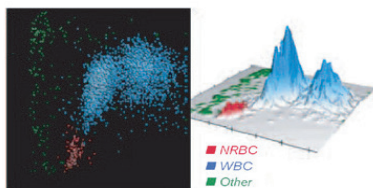


Beckman Coulter is once again leading the way in Lean laboratory practices and efficiency with the introduction of the DxH 690T hematology analyzer.

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.



Diff 1: Volume vs. RMALS



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

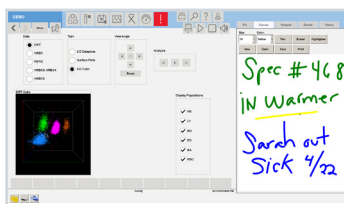
Fewer touchpoints, higher uptime and longer walkaway time

- > 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 | 76.2 cm (30 in.) | 82.3 cm (32.4 in.) | 114.3 cm (45 in.) with cover lifted | 117.5 kg (259 lb.) |

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 | Coulter DxH Diluent..... 628017 10 L Coulter DxH Cell Lyse..... 628019 5 L Coulter DxH Diff Pack..... 628020 EA Coulter DxH Retic Pack..... 628021 EA 6C Plus Cell Control 12 x 3.5 mL PN C07297 6C Cell Control 9 x 3.5 mL..... PN A59925 6C Cell Control 12 x 3.5 mL PN 628027 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 |
| 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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