

HIGH FIRST-PASS YIELD AND LOW COST OF OWNERSHIP THROUGH PREDICTABLE PROCESSES

DataFusion technology, real-time analytics, low reagent use

Reduce unnecessary reflex testing and manual interventions with low false-positive rates, a 93% first-pass sample yield¹ and automated extended counts for leukopenic and thrombocytopenic samples. The Beckman Coulter's state-of-the-art DxH 900 hematology analyzer enables laboratories to experience lower operating costs and faster break-even points. This is due to the high first-pass yield rate, which allows laboratories to avoid the need for unpredictable consumption linked to expensive modules and reagents. In addition, world-class-engineered hardware and robust software provide greater efficiency at predictably, lower costs than those associated with other multimodal systems.



● **With its predictable processes, the DxH 900 analyzer gives users access to:**

- **A 93% percent first-pass yield rate¹**
- **Proprietary DataFusion technology and real-time analytics**
 - Bypasses need for costly, time-consuming sample reruns
 - Provides intelligent, streamlined hematology analyses
- **High efficiency and low maintenance in a fully integrated system**
- **Low overall cost of ownership and a fast break-even point**

The low cost of ownership and high first-pass yield rate combine to achieve a faster break-even point

- Laboratories with the DxH 900 system experience:
 - A 93% first-pass yield, significantly outperforming the competition in real-world side-by-side studies¹
 - One-third fewer low-confidence flags than other analyzers¹
 - Lower reagent consumption per sample—resampling and reanalysis are not required
 - Reduced costs and less maintenance due to fewer components, made possible by a proprietary integrated automation line, travel lanes and input/output buffers
 - Fewer full-time equivalents (FTEs)—due to automated daily tasks, such as an autonomous cleaning cycle—compared to the laborious manual loading/unloading of a daily cleaner and instrument power-down required for other systems²



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Apply proprietary DataFusion technology with real-time analysis to bypass unnecessary reruns

- › The DataFusion technology incorporates information from multiple modules—the enhanced Coulter Principle and VCS 360—per patient run to overcome sample-specific challenges and avoid additional sample blood reanalysis/reruns
 - Competitive systems manage sample interferences by rerunning samples on alternate modules. This requires additional aspirations, which may require inconvenient blood redraws. Reruns, in themselves, can lead to additional costs in the way of potentially expensive alternate reagents, such as fluorescence, which may be rate- and sample-dependent
 - DataFusion technology not only overcomes these issues, but also allows for predictable reagent consumption, preventing the unnecessary time and hassles associated with additional inventory and procurement tasks

Expect lower, more predictable costs through high efficiency and low maintenance in a fully integrated system

- › Laboratories are able to maximize valuable time, shifting focus to patient care tasks through automated daily checks and autonomous instrument cleaning. Preloaded cleaning reagents and preprogrammed daily maintenance help to promote uptime
- › The DxH 900 workcell's integrated track-line eliminates the need to purchase additional hardware and associated maintenance agreements. In addition, the system features:
 - Integrated sample input and output buffers
 - High—100-sample—holding capacity per buffer

Streamline analysis to save time, costs and resources with DataFusion real-time, intelligent analytic algorithms

- › DxH 900 technology enables real-time analysis, which is of particular benefit for challenging leukopenic and thrombocytopenic samples. The system automatically detects critically low WBC or platelet counts and extends the analysis within the enhanced Coulter Principle baths—producing statistically valid results—without the need for re-aspiration or repeat sample counting. This translates into better precision and accuracy rates

Competitive analyzers depend upon repeat sample counts in the event of low WBC counts using the WBC count extension mode. An extended count feature for low platelet counts is not available with other systems, thus, analysis is reliant on a sample count that requires a more expensive fluorescent module
- › DataFusion technology assists with automated extended counts in VCS 360 analysis. With other systems, lyse-resistant RBCs can interfere with WBC differentials, requiring additional analysis or time at the scope. The automated VCS 360 real-time analytical system detects interference in the flow cell and seamlessly extends the particle counts to achieve a reportable differential. With VCS 360, laboratories can avoid extra time at the microscope and the myriad of related costs associated with manual reviews

DxH 900 hematology analyzer: The right results, the first time

The DxH 900 empowers hematology decisions through near native-state cellular characterization, ensures predictable costs through a 93% first-pass yield¹ and maximizes staff time.

Discover the difference of peace-of-mind performance and maximized efficiency with Beckman Coulter total laboratory automation. [Visit www.beckmancoulter.com/DxH900](http://www.beckmancoulter.com/DxH900)

References

1. DxH series side-by-side results documentation.
2. Competitor automated hematology analyzers, Instructions for Use (IFUs).

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