

## DxH 520

5-part differential closed tube hematology analyzer



# INSTRUMENT SPECIFICATIONS

**Minimum footprint. Maximum productivity.**

The powerful, compact DxH 520 is designed to optimize patient care by increasing productivity while reducing operating and overhead costs for low-volume laboratories. Small and mighty, the DxH 520 delivers comprehensive quality results with only three reagents and a 17  $\mu$ L aspiration—ideal for pediatric or difficult draws. System performance is rounded out with advanced patient and data management tools, and unparalleled reliability—all of which means more time spent on patient care and less time spent on operational tasks.

### ● Maximize lab productivity

- > **Optimize uptime** with proven system reliability and zero daily maintenance
- > **Experience infrequent and simple reagent reloading**—easily change all three reagents in less than five minutes
- > **Gain powerful patient and QC data management tools** for paperless operations and to reduce clerical errors
- > **Discover a more efficient use of laboratory counter space** with the analyzer's compact footprint—smallest in its class

### Reduce overall operating costs

- > **Lower overhead costs** by consuming fewer reagents and using less power due to a reduction in moving parts and a more intelligent, energy-optimizing design
- > **Eliminate disposal costs** with cyanide-, azide- and formaldehyde-free reagents

### Deliver high-quality clinical results

- > **Ensure a more accurate differential** with proprietary dynamic gating
- > **Improve flagging and reduce unnecessary slide reviews** while maintaining effective clinical sensitivity



Move healthcare forward.

# DxH 520 Hematology Analyzer Specifications

<b>Mode of Operation</b>	Open and closed tube sampling			
<b>Sample Volume</b>	17 µL of venous or micro-collected whole blood 20 µL of whole blood for pre-diluted analysis			
<b>Throughput</b>	55 closed tube samples per hour, 60 open tube samples per hour			
<b>Menu/Test Parameters</b>	WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, LY%, LY#, MO%, MO#, NE%, NE#, EO%, EO#, BA%, BA#			
<b>RUO Parameters</b>	IMM%, IMM#, LHD, MAF, PCT, PDW			
<b>Data Storage</b>	30,000 patient results, including graphics, flags, codes and messages; 12 control files, each with a maximum of 150 runs			
<b>User Interface</b>	Touch screen; Handheld barcode scanner			
<b>Power Requirements</b>	100-240 VAC 50-60 Hz Single phase with ground			
<b>Power Consumption</b>	Less than 120W			
<b>Noise Specifications</b>	Less than 80 dBa			
<b>Operational Ambient Temperature</b>	18-32°C (64.4-89.6°F)			
<b>Humidity</b>	80% relative humidity (non-condensing) at 32°C (89.6°F)			
<b>Altitude</b>	Up to 3,000 meters (9,843 feet)			
<b>External Storage</b>	Supports USB 2.0 (five ports)			
<b>LIS</b>	Supports serial (RS-232) and Ethernet communication			
<b>Printer</b>	Optional USB printer			
<b>Languages</b>	Czech, English, French, German, Italian, Japanese, Polish, Portuguese, Slovak, Spanish			
<b>Weight and Dimensions</b>	Width	Height	Depth	Weight
	270 mm (10.6 in.)	406 mm (16.0 in.)	430 mm (16.9 in.)	11.4 kg (25.1 lbs.)

## Ordering Information

## Part Number

DxH 520 Hematology Analyzer	<b>B40602</b>
DxH 500 Series Diluent (10 L each)	<b>B36845</b>
DxH 500 Series Lyse (500 mL each)	<b>B36846</b>
DxH 500 Series Cleaner (500 mL each)	<b>B36868</b>
DxH 500 Series Calibrator (2 x 2.0 mL)	<b>B36880</b>
DxH 500 Series Control (6 x 2.3 mL, tri-level sets)	<b>B36872</b>

DxH 520 is CE marked. Not available for sale in all geographies. Pending submission and clearance by U.S. FDA.

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DS-65139



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