

Edition No A01
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Technical Specification

Principles	
Tri-angle Laser Scatter, Flow Cytometry, Chemical Dye method for 5-part differential analysis and WBC counting	
Electrical Impedance method for RBC & PLT counting	
Non-cyanide method for hemoglobin testing	
Parameters	
23 Reportable Parameters CBC: Whole Blood Mode: WBC, Lym#, Neu#, Mon#, Eos#, Bas#, Lym%, Neu%, Mon%, Eos%, Bas%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT. 4 Research Parameters: ALY#, LIC#, ALY%, LIC% 3 Histograms: WBC, RBC, PLT 3 Scattergrams for WBC Differential and 1 for Basophil measurement	
Sample Volume	
Whole blood mode 15μL	
Capillary mode 15μL	
Pre-diluted mode 20μL	
Throughput	
60 Samples / hour	
Display	
10.4"Intuitive color touch screen	
Multi- Language	
Chinese, English available Spanish, Portuguese,Russia,French under development	
Data Storage Capacity	
Up to 50,000 results including numeric and graphical data	
Communication	
LAN port support HL7 protocol	
Interface	
4 USB ports, 1 LAN connection	
Support Bi-directional LIS	
Printout	
External laser printer/ Inkjet printer, various printout formats and customized formats	
Operating Environment	
Temperature: 10%~30%	
Humidity: 20%~85%	
Air pressure	
70kPa~106kPa	
Power requirement	
A.C100V~240V (50/60Hz), ≤250VA	
Dimension	
360mm(L) x 470mm(W) x 430mm(H)	
Weight	
28KG	



MS-H650
Auto Hematology Analyzer

Accessible Utilities In Optimizing Hematology

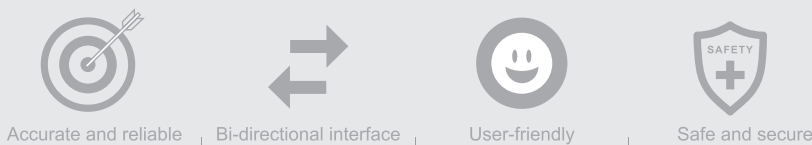
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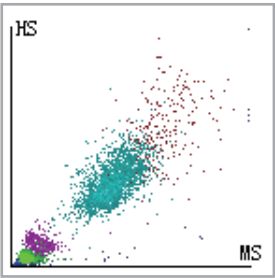
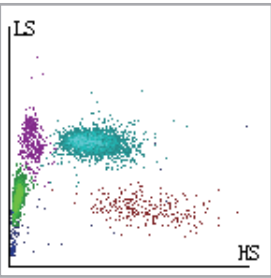
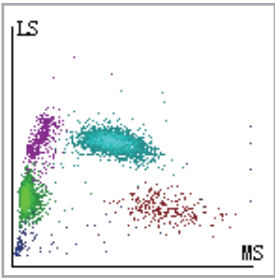
Product Feature & Specification

Throughput		Intelligent Flagging for Pathological Samples	
60 Samples/hour		10.4 inch large TFT touch screen with user-friendly software	
Result Performance		Reagent	
Linearity	Precision(CV%)	DIL-C Diluent, LYC-1 Lyse , LYC-2 Lyse , CLE-P Cleanser	
WBC 0~300 x 10 ⁹ /L	≤2.0%(4.0~15.0)	Carryover	
RBC 0~8.5 x 10 ¹² /L	≤1.5%(3.5~6.0)	WBC≤0.5%	
HGB 0~250g/L	≤1.5%(110~180)	RBC≤0.5%	
HCT 0~67%		HGB≤0.5%	
PLT 0~3000 x 10 ⁹ /L	≤4.0%(150~500)	PLT≤1.0%	
MCV	≤1.0%(70~120)fL	Automatic floating discriminators for WBC, RBC,PLT counting	
Digital Sheath-Flow		Auto sample clot detection and unclotting function	
		Good reproducibility	



The analysis has minimized required sample volume to 15µL making it easier for pediatric and geriatric patients.

The Real Dual-Optical counting channels enable the DIFF and BASO to be analyzed more precisely and efficiently



- A LAN connection and 4 USB ports for mouse, keyboard, barcode scanner and data transmission



- User-friendly interface and comprehensive data management



- Only 2 Reagent (Dilute, Lyse) for routine testing, 1 Reagent (Cleanser) for regular maintenance

- 23 reportable and 4 research parameters CBC
- 3 histograms (WBC, RBC, PLT) and 3 scattergrams for WBC differential and 1 dedicated to Basophil measurement
- User-friendly interface and easy operation with intuitive color touch screen
- Innovative technology incl. Tri-angle Laser Scatter, Flow Cytometry, Chemical Dye
- Open Tube Sampling Mode for whole blood, capillary, pre-diluted
- Minimized sample volume to 15µL

Compact and Cost Effective Hematology Platform with Laser Optical Counting Technology

