

CH8500

Technical Specifications:

Principles

Electrical impedance method for RBC and PLT
Colorimetry method for the concentration of hemoglobin test
Semiconductor laser flow cytometry for WBC
5-part differential analysis and WBC counting

Parameters

25 reportable parameters: WBC, Lym#, Lym%, Bas#, Bas%, Mon#, Mon%, Eos#, Eos%, Neu#, Neu%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC
26 research parameter including: ALY#, ALY%, LIC#, LIC%, NRBC#, NRBC%
3 histograms for WBC, RBC and PLT
3 scattergrams for 5 differentials

Reagent

5DS diluent
5LHS lyse
5LDS lyse

Sample Volume

Pre-diluted mode 20 µL
Whole blood mode 11.5 µL
Capillary whole blood mode 15 µL

Throughput

70 samples per hour

Display

Performance

Parameters	Linearity Range	Accuracy	Carryover
WBC(10 ⁹ /L)	0.00~500×10 ⁹ /L	3.5~9.5× 10 ⁹ /L	≤0.5%
RBC (10 ¹² /L)	(0.00~8.5) ×10 ¹² /L	(3.8-5.81 × 10 ¹² /L	≤0.5%
HGB (g/L)	(0~250) g/L	(115~175) g/L	≤0.5%
PLT (10 ⁹ /L)	(0~5000) ×10 ⁹ /L	(100-500) × 10 ⁹ /L	≤1.0
HCT	0~67%	35%~50%	≤0.5%

10.4-inch capacity touch screen

Data Storage Capacity

Up to 200,000 results

Communication

Support LIS and external printer

Interface

4 USB (supports USB 2.0 protocol)
Bi-directional LIS through LAN port

Operating Environment

Temperature: 10°C~35°C
Humidity: 20%~80%
Air pressure: 70 kPa~106 kPa

Power requirement

AC input voltage:100-240VA
AC input frequency:50Hz/60Hz
Max power consumption:240VA

Dimensions

Depth*width*height: 514mm*330mm*430mm
Weight :31kg

COMEN Share with the World



CH8500

Auto Hematology Analyzer

Highly Specialized in Reliability and Efficiency



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P/N: EN-CH8500-6P-20230906-V1.0



COMEN

Boost Blood Analysis with Maximum Productivity

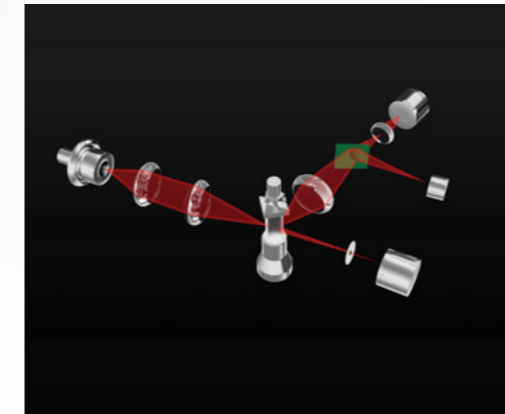
COMEN 5 part hematology analyzer is capable of delivering fast, accurate CBC counting to realize excellence in prominent patient care, improve laboratory effectiveness and operational efficiency, high processing speed of 70 test per hour throughput.



- Provide 25 blood cell count parameters
- Cyanide free HGB analysis method
- Streamlining using menu with minimal training needed
- Extremely low reagent consumption required
- Small sample volume suit infants blood collection needs
- Easy to best operation and maintenance

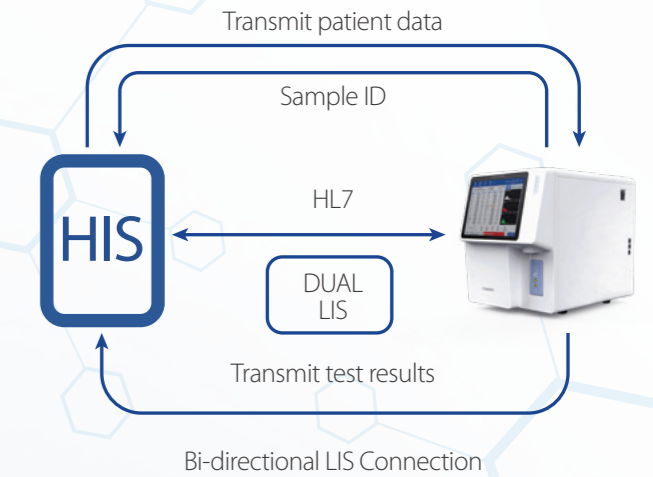
Clinically Extend Your Working Performance

- Achieve precise cells measurement by microfluidics flow + specific staining technology
- Compact internal structure design
- Advanced anti-dust optical module deliver accurate BAS and DIFF results
- Prompt abnormal parameters alarm
- Wider linearity range



Consistently Expand Your Management Capability

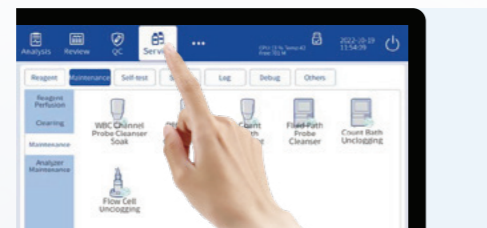
- Up to 200,000 ample storage capacity
- Support USB backup and build in external printer,bi-directional LIS connectivity, keyboard and barcode scanner
- Instructional blockage removal and alarm function
- Customized reporting format for users



Significantly Enhance Usability and Operativity



10.4-inch humanized interface



One-click troubleshooting and clogging removal cleaning function



Space-optimized with lysate position



Support a variety of printer connection

Truly Meet Your Expectations of Cost-Effectiveness

- Only 3 reagents is needed
- Intelligent software of remaining reagent visualization
- Adapt to various storage environment from -22~55
- Requires minimal user maintenance
- Highest quality components with long-lasting durability



Support multiple blood type including whole blood, capillary whole blood, pre-diluted blood
Micro sampling of only **9ul** sample blood is needed

