

CH8500

COMEN

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
23 research parameter including: ALY#, ALY%, LIC#, LIC%, NRBC#, NRBC%, PLT Clump#, PLT Clump%, Lip#, Lip%, Blast#, Blast%, etc.
3 histograms for WBC, RBC and PLT
3 scattergrams for 5 differentials

Reagent

5DS diluent
5LHS lyse
5LDS lyse

Sample Volume

Prediluted mode 20 µL
Whole blood mode 11.5 µL
Capillary Whole blood mode 15 µL

Throughput

70 samples per hou

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 x 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%

Display

10.4 inch capacity touch screen

Data Storage Capacity

Up to 200,000 results

Communication

4 USB
Network interface supports standard TCP/IP protocol

Interface

USB, LAN
Support Uni- and bi-directional LIS

Operating Environment

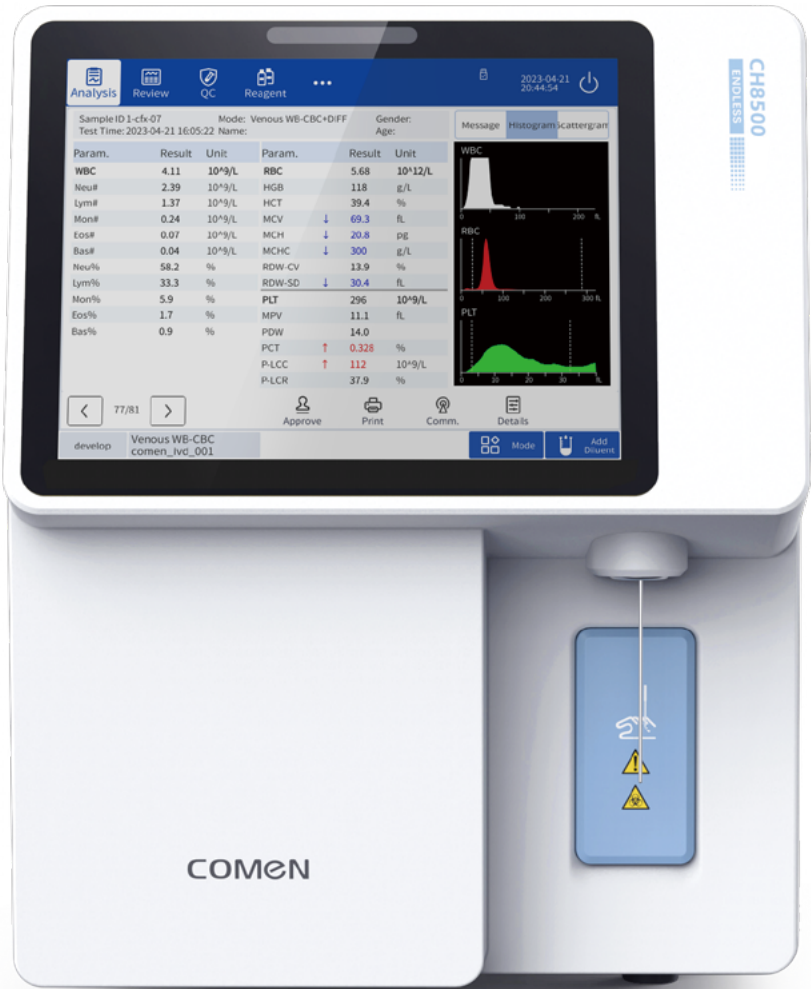
Temperature: 10°C~35°C
Humidity: 20%~80%
Air pressure: 70 kPa~106 kPa

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



CH8500
Auto hematology analyzer
Reliable and Efficient



Shenzhen Comen Medical Instruments Co., Ltd.
Add: Floor 10, Floor 11 and Section C of Floor 12 of Building 1A & Floor 1 to Floor 5
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P/N: EN-CH8500-4P-20230323-V1.0



Exceeds your needs in the laboratory

Time saving to the maximum extent

Rapid analysis results
≥ **70** test per hour.

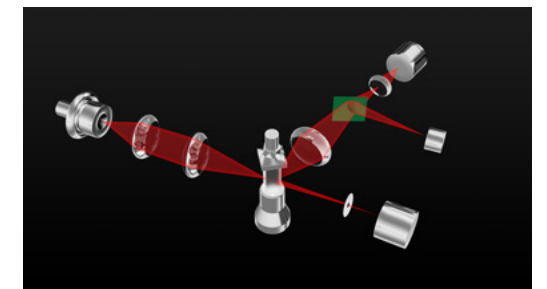
Small sample volume

Pre-dilution mode : 20 uL.
Whole blood (CBC): 11.5μL
Peripheral blood: 15ul

Advanced working principle

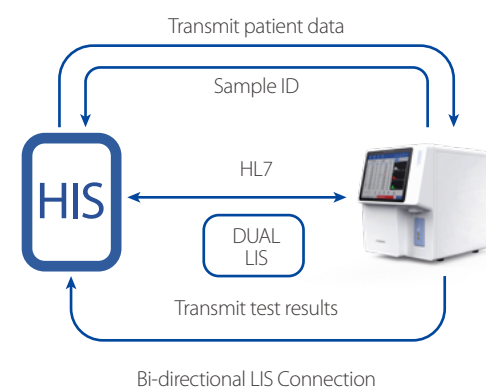
Help achieve more precise cells size measurement and 5 part differentiation by microfluidics flow + specific staining technology.

- Compact structure design
- Independent baso channel
- Reliable optical module



Effective data management

- Up to 200,000 ample storage capacity
- Support USB backup and build in external printer
- Instructional flag information
- Adap to various working environment



Enhanced usability and operability



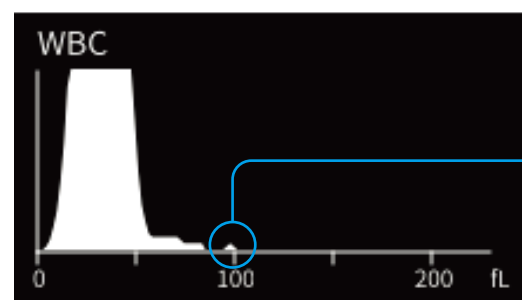
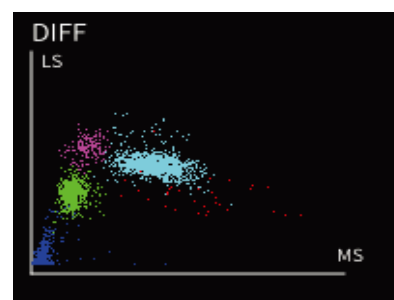
10.4 humanized interface



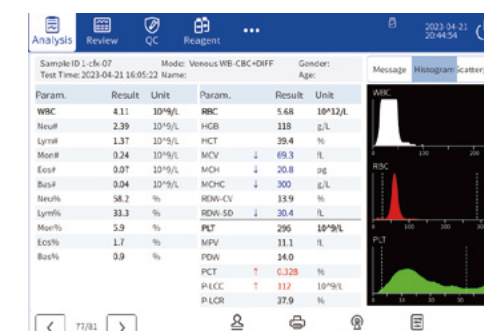
Space optimized with build in lyse position

Core technology for better productivity

Reliable and accurate in WBC 5-diff analysis



basophil



Intuitive histograms, scattergram



3 cost effective reagent with long shelf life