

# 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  $\mu$ L  
Whole blood mode 11.5  $\mu$ L  
Capillary whole blood mode 15  $\mu$ L

### Throughput

70 samples per hour

### Display

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

### Performance

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

COMEN Share with the World



## CH8500

Auto Hematology Analyzer

Highly Specialized in Reliability and Efficiency



### 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 of Building 2, FIYTA Timepiece Building, Nanhuan Avenue, Matian Sub-district, Guangming District, Shenzhen, Guangdong, 518106, P.R. China  
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P/N: EN-CH8500-6P-20230906-V1.0



# Boost Blood Analysis with Maximum Productivity

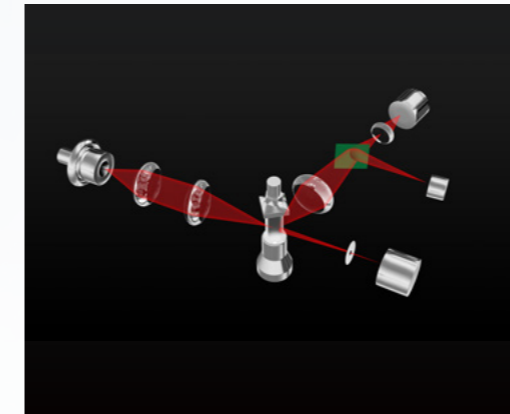
COMEN 5 part hematology analyzer is capable of delivering fast, accurate CBC counting to realize excellence in prominent patient care, improve laboratory effectiveness and operational efficiency, high processing speed of 70 test per hour throughput.



- 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

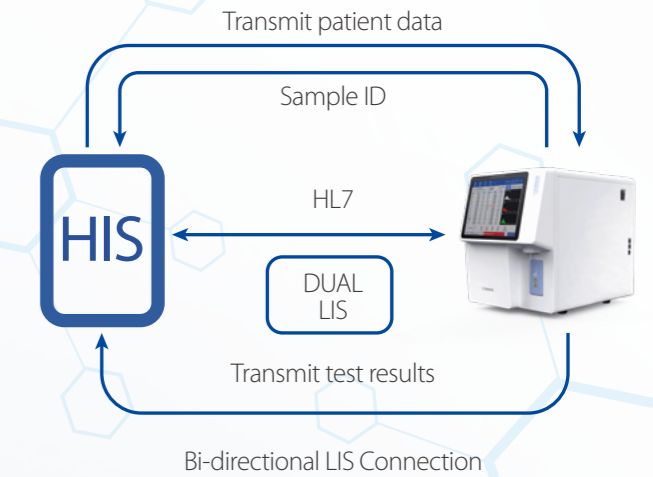
# Clinically Extend Your Working Performance

- 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

