

CH8300

Technical Specifications:

Principles

Impedance method for WBC, RBC and PLT counting
Colorimetry method for hemoglobin test

Parameters

21 reportable parameters: WBC, Lym#, Lym%, Mid#, Mid%, Gran#, Gran%, RBC, HGB, MCV, MCH, MCHC, RDW-CV, RDW-SD, HCT, PLT, MPV, PDW, PCT, P-LCR, P-LCC
3 histograms for WBC, RBC and PLT
2 research parameters: NLR, PLR

Reagent

3D Diluent, 3LHD Lyse, Probe Cleanser

Calibrator and Quality Control Material

CH-CAL
CH-3QC (L, N, H)

Sample Volume

Venous WB, Capillary WB: ≤ 9µL
Pre-dilution mode: ≤ 20µL

Throughput

CH8300: ≥70 T/H

Performance

Parameters	Linearity Range	Carryover
WBC	0.00~350.00×10 ⁹ /L	≤0.5%
RBC	0.00~8.70×10 ¹² /L	≤0.5%
HGB	0~280g/L	≤0.5%
PLT	0~4500×10 ⁹ /L	≤1.0
HCT	0~75%	≤0.5%

Display

10.4-inch capacitive TFT touch screen

Data Storage Capacity

Up to 200,000 records

Communication

LAN port supports HL7 protocol

Interface

4 USB ports
1 LAN port for bi-directional LIS connection

Operating Environment

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

Power Requirement

AC 100-240V, 50Hz/60Hz, ≤200VA

Dimension and Weight

WxDxH: 281mm×400mm×412mm
Weight: ≤20kg

COMEN Share with the World



CH8300

Automatic Hematology Analyzer

Small in Size, Mighty in Functionality



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Empowering High Level of Efficiency and Reliability

The CH8300 employs a cyanide-free colorimetry method for HGB test, combined with multiple histograms for WBC, RBC and PLT empowered by the latest impedance technology and intelligent algorithm, to prevent error analysis during testing. This design offers a fast testing speed, making it suitable for laboratories with a busy workflow. Additionally, it requires less manual operation and provides long-term stability.

- The CH8300 offers a throughput of up to 70T/H providing a significant boost to your blood counting procedures
- The CH8300 provides comprehensive WBC/RBC/ PLT flag messages to support diagnostic decision-making
- One-click troubleshooting and unlogging functions

Your Gateway to Better Diagnostics

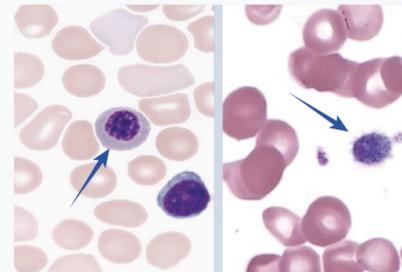
User friendly design enhances the user experience

- 10.4-inch capacitive TFT touch screen with high resolution for smooth operation
- Built-in lyse storage, saving space for more flexible operation
- Ergonomic tilt angle of the display, facilitating both standing and seated operation
- Various printer connectivity options tailored to your lab's needs



Elevate Your Work with Unparalleled Performance

- Simplified sample and reagent information management
- Accurate analysis guaranteed by excellent repeatability and wide linearity range
- 21 reportable parameters with histograms and research parameters NLR, PLR provide full insight into clinical diagnosis



Optimize Your Data Management Capability

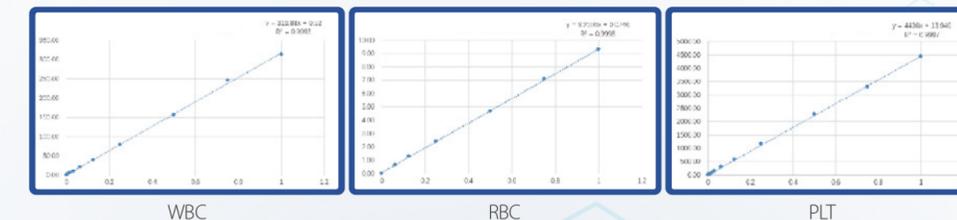
- Up to 200,000 records storage capacity
- 4 USB ports to connect a mouse, keyboard, external printer and barcode scanner, as well as a LAN port for enhanced user experience
- The straightforward software design allows to easily review and verify history and current results
- By inputting QC values through scanning, laboratory operation errors can be reduced and the overall experience enhanced



9 μ L blood for CBC counting

The CH8300 can support various patient blood types, including infant, pediatric, and adult. Furthermore, only 9 μ L of blood is aspirated under whole blood mode to deliver accurate testing results, making it particularly suitable for patients with difficulty in blood collection.

Wider linearity range with extended applicability



WBC

RBC

PLT

Less Reagents Lower Expenses

The CH8300 is designed for laboratories requiring a cost-effective solution for routine CBC counting. Its simplified internal design and the use of only 2 routine reagents result in lower overall expenses. For daily maintenance, only 1 probe cleanser is required.



Support open and close system to meet various end user demands