# CH8600

**COMEN**

## Our specifications speak volumes

### Principles
Laser Scatter for WBC differentiation
Electrical Impedance Method for WBC, RBC
and PLT number test
Colorimetry Method for HGB

### Parameters
**25 parameters:** WBC, Bas#, Bas%, Neu#,
Neu%, Eos#, Eos%, Lym#, Lym%, Mon#, Mon%,
RBC, HGB, MCV, MCH, MCHC, RDW-CV,
RDW-SD, HCT, PLT,
MPV, PDW, PCT, P-LCR, P-LCC,
**6 research parameters:** ALY#, ALY%, LIC#,
LIC%, NRBC#, NRBC%

### Sample Volume
CBC:13ul
CBC+DIFF:22ul
Pre-diluted:20ul

### Throughput
Up to 90 T/H under CBC Mode
Up to 80 T/H under CBC+DIFF Mode

### Testing Modes
CBC, CBC+DIFF

### Sampling Modes
Venous whole blood sample
Capillary whole blood sample
Predilute sample

### Data Storage Capacity
Up to 200,000 sample records

### Power Requirements
100-240v, ≤420va, 50hz/60hz

### Dimension and Net Weight
Dimension (W×D×H):
645mm×610mm×635mm
Net Weight: 59kg

### Performance

|  | Carryover | Precision | Linearity |
|---|---|---|---|
| WBC(x $10^9$ /µL) | ≤ 0.5% | ≤ 3% | 0.00-100 |
| RBC(x $10^{12}$/ µL) | ≤ 0.5% | ≤ 1.5% | 0.00-8.7 |
| HGB(g/dL) | ≤ 0.5% | ≤ 1.5% | 0-270 |
| HCT(%) | ≤ 0.5% | ≤ 1.5% | 0-75 |
| PLT(109 /µL) | ≤ 1.0% | ≤ 6%-4% | 0-5000 |

# CH8600
Automated Hematology Analyzer

# Improved workflow and TAT

## Reagent management and emergency function

Reagent management interface is designed to facilitate the usage of medical staff and users. RF card allows you to input reagent information manually, as well as manage and enter into the reagent information system.

Emergency samples is permitted to be added for prior testing in any emergent situation.

## Reagents types

There are 7 types of reagents, 5 of which have a shelf life of 2 years, 90 days for quality control, and 60 days for calibrators.

*The reagents including 5D diluent, 5LH, 5LDA, 5LDB, quality control, calibrators, probe cleanser.*

## Rapid testing speed, high-efficiency

*CD mode: 80 T/H— Fastest comparing to similar models*

CH8600 provides 1 network port and 6 USB . The 5-row test tube rack supports a maximum of 50 samples to be tested at the same time.
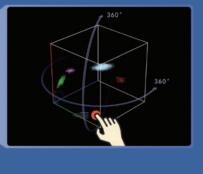
# Powerful Software



- QC makes sure the analyzer is in normal operation and therefore prevents possible testing deviation thorough self-inspection system.

- Settings interface provides customizations for parameters to satisfy different clinical needs in real life.

- Service interface provides different maintenance functions and detect possible errors due to long-term usage of the analyzer to ensure precise operation of the analyzer.

- Flags will alarm when detect abnormal data, adjustment and customization can be performed easily.

## 3D scattergram

CH8600 is capable of outputting 4 scatter grams (1 visible and rotatable three-dimensional scatter gram, 3 2D scatter gram), 3 histograms, it's easy to read WBC differentiation from multi-angles, more accurately and directly through our built-in 3D scattergram.



## Multiple sampling mode

Our hematology analyzer has two injection modes, autoloader mode and open mode. Venous whole blood, capillary whole blood and pre diluted can be utilized in the sample processing of these two injection modes.

# Maximize Your Laboratory Capacity

## Smart and compact automation

The new CH-8600 auto hematology analyzer from Comen is specifically designed to assist diagnostic labs and medical institutions. With the idea of space-saving design and Multi-Clinical Scenarios. Comen's hematology analyzer has created the space efficient appearance that helps improve lab operations and promotes better healthcare and patient management practices. It is an ideal choice for clinical operations and physician office laboratories.



- Built in 12-inch LCD touch screen

- Smaller base area

- Lighter than similar model

- Perfect fit for smaller-scale hospitals narrow clinics

- Low requirement for sample volume: only 13ul