

# GT50

## Auto Hematology Analyzer

### Technical Specification

- Principles**  
Impedance method for RBC and PLT counting  
Cyanide free reagent for hemoglobin test  
Flow Cytometry (FCM) + Tri-angle laser scatter method for WBC 5-part differential analysis and WBC counting
  - Parameters**  
27 parameters: WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, LIC%, LIC#, ALY%, ALY#  
3 histograms for WBC, RBC and PLT  
3 DIFF scattergrams and 1 BASO scattergram
  - Reagent**  
DIL-C Diluent, LYC-1 LYSE, LYC-2 LYSE, CLE-P
  - Linearity Range**  
WBC (0.00-300.00)×10<sup>9</sup>/L      RBC (0.00-8.50)×10<sup>12</sup>/L  
HGB (0-250)g/L      PLT (0-3000)×10<sup>9</sup>/L  
HCT 0.0-67.0%
  - Repeatability**  
WBC≤2.0%      RBC≤1.5%      HGB≤1.5%  
PLT≤4.0%      MCV≤1.0%
- Display**  
10.4 inch TFT Touch Screen
  - Throughput**  
60 samples per hour
  - Multi-language**  
Chinese, English available  
Spanish, Portuguese, Russia, French under planning
  - Data Storage Capacity**  
Up to 50,000 results including numeric and graphical
  - Communication**  
LAN port supports HL7 protocol
  - Interface**  
4 USB Ports, 1 LAN port
  - Printout**  
External Laser printer / Inkjet printer, various printout formats and user-defined formats
  - Dimension**  
364mm(L)×431mm(W)×498mm(H)
  - Net Weight**  
26.5KG

MINI 5-PART



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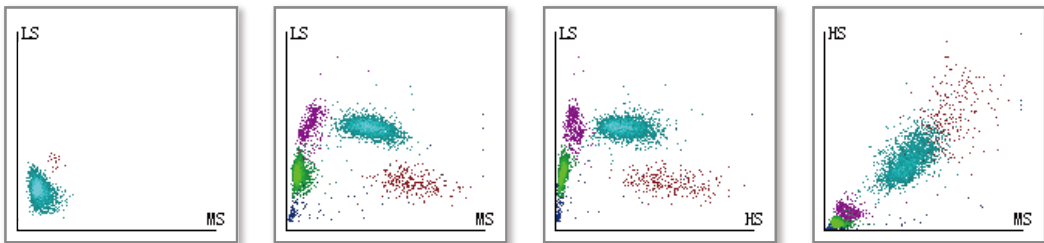


### Features

- Tri-angle Laser scatter + Flow cytometry technology
- WBC 5-part differentiation, 23 reportable parameters and 4 research parameters, 3 histograms, 3 DIFF scattergrams and 1 BASO scattergram
- Double optical counting channel both for WBC and basophil measurement
- Venous whole blood, capillary whole blood and Pre-diluted modes
- Powerful capability of flagging abnormal cells
- 10.4 inch large TFT touch screen with user-friendly software
- Large storage capacity, up to 50,000 samples
- Throughput: 60 samples per hour
- Low sample volume 15 $\mu$ L
- Compact in size
- High precision
- Good repeatability



**R** Real double optical channel test, both for Diff and BASO. BASO channel with optical counting, more precise.



**4** USB ports for data transmitting and connection with printer, keyboard, mouse, barcode scanner etc.

**U** ser friendly operation software.

**4** reagent totally, 3 are routine use. Shelf life 2 years.

**A** ll key components are imported, high quality and longer life. Syringe maintenance free.

- Valve from Japan
- Liquid pump from Germany
- Reliable component
- Long-life syringe
- Needle from Switzerland