

5-part automatic hematology analyzer
Four characteristics:

Three-dimensional scatter diagram

Human-Centered Design

Accurate and Reliable

Wide Linearity



+ Specifications

Principles:

Semiconductor laser technology and flow cytometry.
Three-angle laser scattering technology.
Impedance Measurement.
Cyanide-free hemolytic agent for HGB measurement.

Parameters:

29 parameters are provided, including 25 report parameters (WBC, LYM%, LYM#, NEU%, NEU#, MON%, MON#, EOS%, EOS#, BAS%, BAS#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, PDW, MPV, PCT, P-LCR, and P-LCC) and four WBC research parameters. One 3-dimensional scatter diagram, three 2-dimensional scatter diagrams, and three column diagrams are provided. In addition, alarms are displayed to indicate abnormal samples, including assured alarm and dubious alarm.

Speed:

60 samples/hour.

Sampling mode:

Open sampling.

Sample volume:

20 μ l.

Data storage capacity:

Up to 100,000 results, and can be queried by the combination of various query conditions.

Printout:

Laser printer, ink-jet printer, stylus printer etc.

Dimensions:

380 mm (L) x 450 mm (W) x 535 mm (H)

Linearity range:

WBC (0.00-300.00) x 10 ⁹ /L	RBC (0.00-8.50) x 10 ¹² /L
HGB (0-250) g/L	PLT (0-3000) x 10 ⁹ /L
HCT 0.0-67.0%	

Repeatability

WBC \leq 2.0%	RBC \leq 1.5%
HGB \leq 1.5%	PLT \leq 4.0%
MCV \leq 1.0%	

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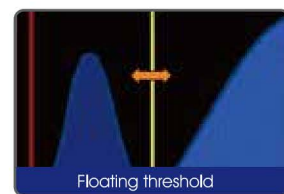
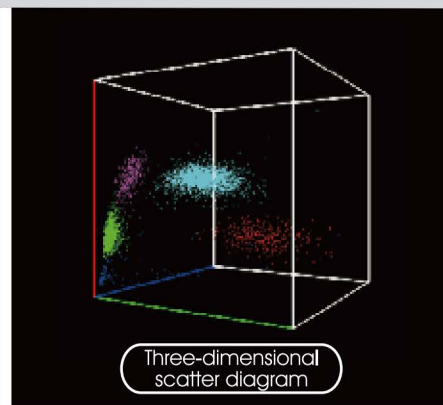
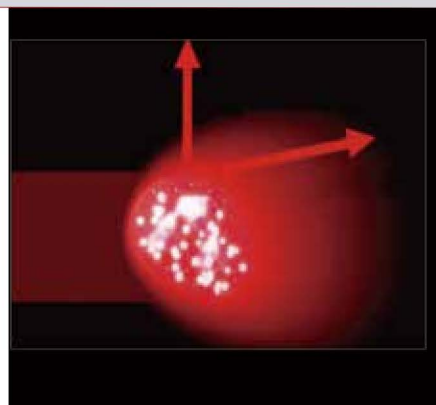
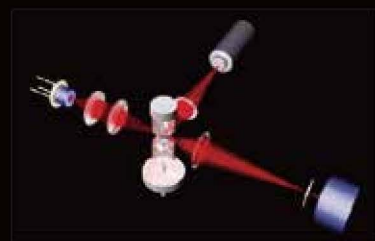


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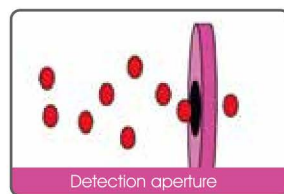


Cutting-edge technology

Apply semiconductor laser technology and collect three-angle scatter signals by flow cytometry, 3D scatter diagram makes the border of different type WBC clearer and the discrimination of abnormal cells more accurate.



Intelligent WBC, RBC, and PLT floating thresholds technology make the results more accurate.



Only three types of hemolytic agent are used to provide **29** parameters, including cell counting and five categories of WBC, with high price-performance ratio.

Peripheral blood test is supported

Peripheral blood test requires only **20μL** whole blood, which is convenient for outpatients, especially for children and patients receiving tumor chemotherapy.



5-part automatic hematology analyzer

+ Function characteristics

• Maintenance-free device

Maintenance-free syringe.
High-quality and reliable components.
High-pressure firing and recoil, effectively preventing the counting hole from being blocked.

• Easy to maintain the analyzer

Routine maintenance is automatically performed at startup and shutdown.
One-key fault elimination, handling the faults automatically.
Automatically sleep and wakeup.

• Advanced data management system

Multi-operating systems supported (Windows 7, Windows XP etc.).
LIS data management is supported.
Quality control management and calibration management are provided.
Support more than 20 alarm ranges defined by user.

• Abundant alarm information

Abnormal samples such as immature cells and abnormal lymphocytes will be alarmed, helpful for screening the patients suffering from diseases of the blood system.

