

H5910

5-Part Auto Hematology Analyzer



Specifications

- Principles**
 - Tri-angle Laser scatter
 - Flow Cytometry Method
 - Scattergram analysis
 - Impedance method for RBC and PLT counting
 - Cyanide free reagent for HGB test
- Parameters**
 - 25 reportable parameters
 - WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PCT, PDW, P-LCR, P-LCC, NEU%, LYM%, MON%, EOS%, BAS%, NEU#, LYM#, MON#, EOS#, BAS#
 - 1 Scattergram 3 Histograms (WBC, RBC, PLT)
 - 4 Research parameters
 - ALY%, ALY#, LIC%, LIC#
- Test Mode**
 - CBC+DIFF mode
 - Venous whole blood, Capillary whole blood and Prediluted
- Throughput**
 - 60 tests/hour

Performance

Parameter	Linearity Range	Carry Over	CV
WBC	1-300 x 10 ⁹ /L	≤0.5%	≤2.0%
RBC	0-8,5 x 10 ¹² /L	≤0.5%	≤1.5%
HGB	0-250g/L	≤0.5%	≤1.5%
PLT	0-4000 x 10 ⁹ /L	≤1.0%	≤4.0%

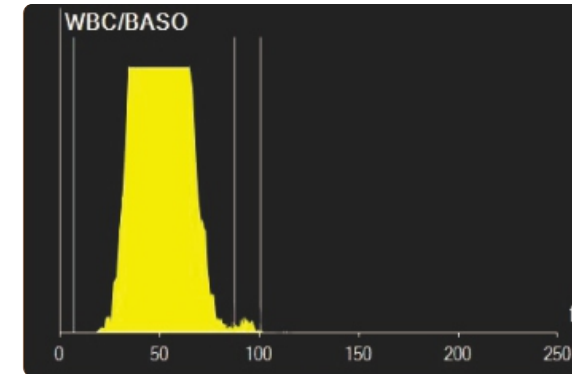
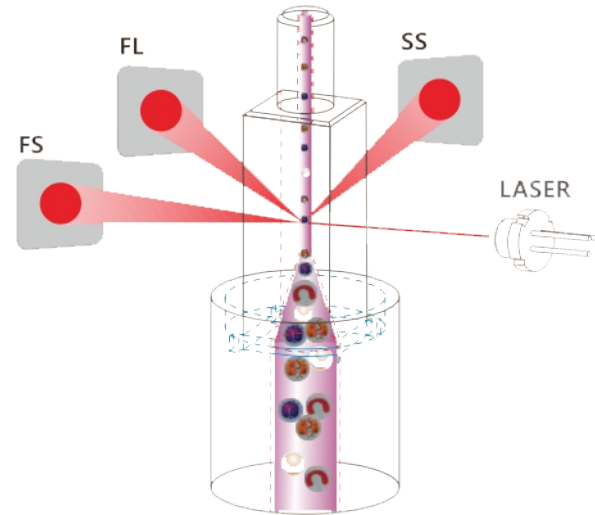
- Sample Volume**
 - CBC+DIFF mode: ≤20ul
- Data Memory**
 - Up to 100,000 results (including histogram, scattergram, patient information)
- Display**
 - 10.4 inches touch screen
- Interface**
 - 1 LAN port, 4 USB ports
- Communication**
 - Bi-direction LIS, support HL7 protocol
 - Internal RFID reader
- Printout**
 - Support various external USB printers, or Wifi connection (optional) formats user definable
- Size/Weight**
 - (D) 45 x (W) 35 x (H) 43 cm
 - Weight: 28 kg
- Power Requirement**
 - a.c. 100-240V, 50/60Hz
- Working Environment**
 - Temperature: 10-30
 - Humidity: 20% - 85%
 - Air pressure: 70~106kPa
 - Working latitude: ≤3500m
- Calibration**
 - Auto Callibration



Principle

- Tri-angle Laser scatter + flow Cytometry + impedance method for WBC.
- The 5 part differentiation of the white blood cell can be precisely done by collecting the optical signal when WBC pass through the laser beam.
- The front small-angle optical signal can reflect the information of the cell size.
- The front large-angle optical signal can reflect the information of nucleus' structure and complexity.

The side angle optical signal can reflect the information of granularity complexity



H5910

Auto 5-part Hematology Analyzer

Independent BASO channel

Basophils (BASO) has important clinical significance, such as Leukimia, Anaphylactic Disease, Hematemesis, Cancer and so on. Real double optical channel test, both for DIFF and BASO, independent BASO channel with optical counting contributes to more precise results.



Premium large touch screen

High-definition color display, Sensitive touch, Support the operation of rubber gloves.



SMART-FLOW fluidic patent technology

The creative SMART-FLOW fluidic technology is a simple and efficient system, which make H5910 has good reliability and free of maintenance.



Accurate measurement for low value PLT

Advanced Sweep-Flow technology guarantees low PLT samples counted precisely.



Low volume sample consumption

CBC+DIFF mode $\leq 20\mu\text{l}$, ideal choice for pediatrics and geriatrics.



Low running cost

Only three reagents needed for the test, low reagent consumption for single test.



Easy to use

ONE touch to start the test, ONE click to remove error, ONE screen for most of the daily operation, intelligent turn off power switch.



Built-in thermal printer



Compact

Compact design with reagents on board, save the valuable bench space of small labs.



With one measuring channel

