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 parameter			
	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	1-300x10^9/L	≤0.5%	≤2.0%
	RBC	0-8,5x10^{12}/L	≤0.5%	≤1.5%
	HGB	0-250g/L	≤0.5%	≤1.5%
	PLT	0-4000 x10^9/L	≤1.0%	≤4.0%
Sample Volume	CBC+DIFF mode: ≤20ul			
Data Memory	Up to 100,000 results(including histogram, scarttergram,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	L*W*H = 350*450*430(mm)			
	Weight: 28kg			
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 Calibartion			

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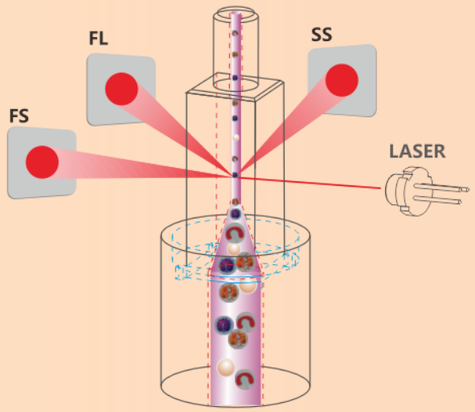
iHETO

H5910

Auto 5-part Hematology Analyzer

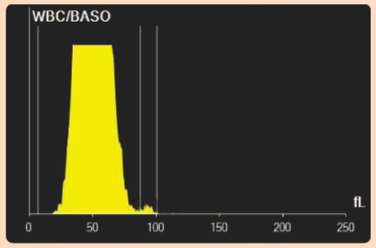
Principle

- 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 Leukemia, Anaphylactic Dis-ease, 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 colordisplay,
Sensitive touch,
Support the operation ofrubber gloves.

SMART-FLOW fluidic patent technology

The creative SMART-FLOW fluidic technology is a simple and efficient system, which makes H5910 with 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 ≤20ul, 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