Specifications

Principles	Tri-angle Laser scatter
	Flow Cytometry method
	3D 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 3D Scattergram
	3 Histograms(WBC/BASO, RBC, PLT)
	4 Research parameter
	ALY%, ALY#, IG%, IG#
Test Mode	CBC mode, CBC+DIFF mode
	Venous whole blood,Capillary whole blood
	and Prediluted
Throughput	60 tests/hour

Performance

Parameter	Linearity Range	Carry Over	CV
WBC	0-300x10^9/L	≤0.5%	≤2.0%
RBC	0-8x10^{12}/L	≤0.5%	≤1.5%
HGB	0-250g/L	≤0.5%	≤1.5%
PLT	0-3000 x10^9/L	≤1.0%	≤4.0%

Sample Volume	CBC+DIFF mode：≤20ul
	CBC mode：≤10ul
Data Memory	Up to 100,000 results(including histogram, scarttergram,
	patient information)
Display	14 inch touch screen, resolution 1366*768
Interface	1 LAN port, 4 USB ports
Communication	Bi-direction LIS, support HL7 protocol
	Internal RFID reader
Printout	Support various external USB printers, printout Built-in thermal printer
	formats user definable
Size/Weight	L * W * H = 480*375*517(mm)
	Weight: 36kg
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

H5900

Auto 5-part Hematology Analyzer

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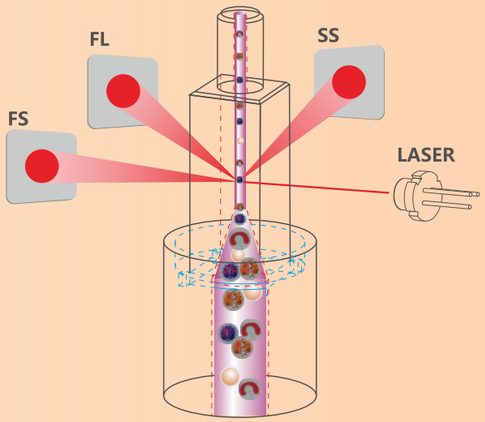
Logo change announcement Nothing has changed except our logo. Please take a note of it. Thank you.

Old logo HETO is now iHETO.The old logo will be continued to be used upon requests.

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.



Compact

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

H5900

Auto 5-part Hematology Analyzer

Built-in thermal printer

With one measuring channel

Premium large touch screen

14 inch touch screen with high resolution and sensitivity, can be operated by wearing gloves.

SMART-FLOW fluidic patent technology

The creative SMART-FLOW fluidic technology is a simple and efficient system, which makes H5800 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, CBC mode ≤10ul, Ideal choice for pediatrics and geriatrics.

Low running cost

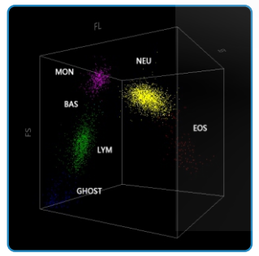
Only three reagents needed for the test , low reagent consumption for single test.

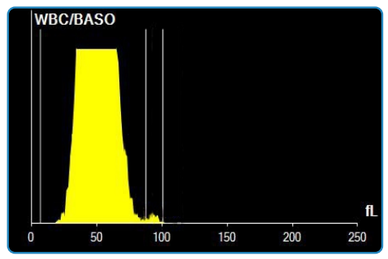
Easy to use

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

3D Scattergram

3D holographic scattergram displays the accurate 5 part differentiation of WBC.





Dual methods for BASO measurement

The first innovative analyzer combined the optical method of BASO(BASO-O) and impedance method of BASO(BASO-I) together, it brings more reliable and stable measurement of BASO pathologic samples ,and minimized the analysis failure.