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5-Part 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 ⁹ /L	RBC (0.00-8.50) × 10 ¹² /L
HGB (0-250)g/L	PLT (0-3000) × 10 ⁹ /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



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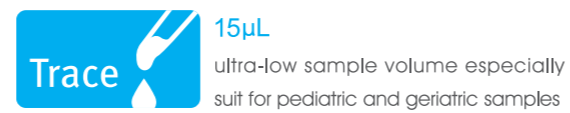
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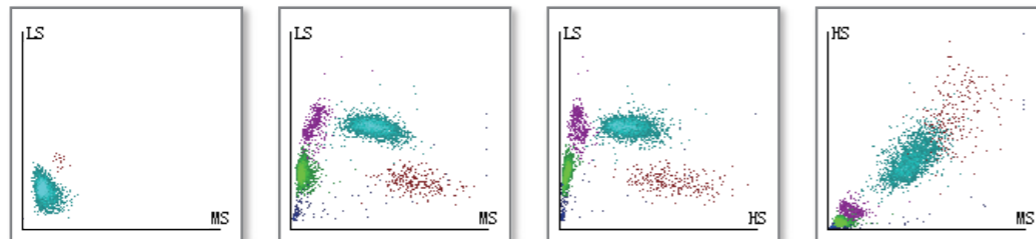


Features

- 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 μ L
- Compact in size
- High precision
- Good repeatability



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.

User friendly operation software.

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

All 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