

DF51
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

MINI 5-PART



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Declaration: Shenzhen Dymind Biotechnology Co., Ltd reserves the right to change the product of specifications and appearance at any time. For the information of this manual, Shenzhen Dymind Biotechnology Co., Ltd reserves the right to the interpretation and the decision.



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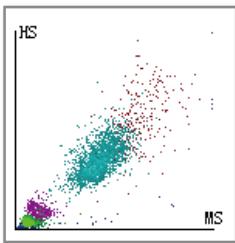
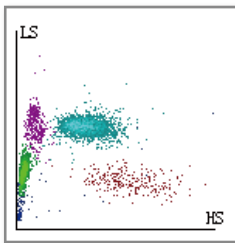
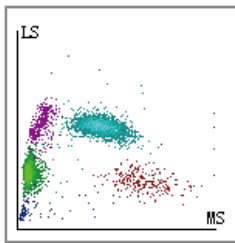
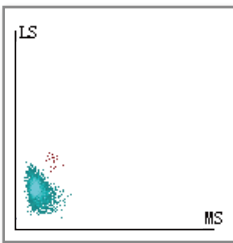
Features

- 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

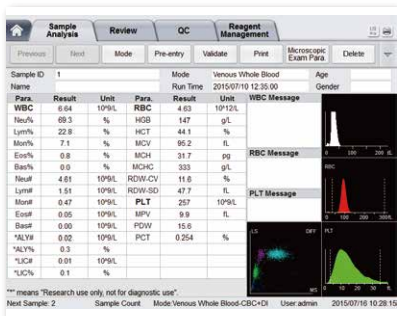


15 μ L
ultra-low sample volume especially
suit for pediatric and geriatric samples

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