

# DF50

## Auto Hematology Analyzer



## Features

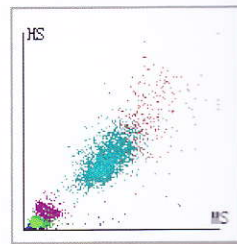
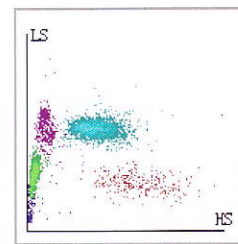
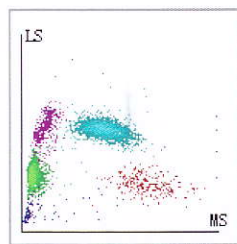
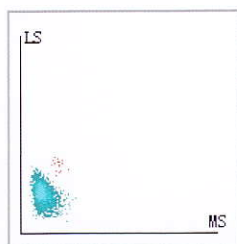
- Tri-angle Laser scatter + Flow cytometry technology
- WBC 5-part differentiation, 23 reportable parameters and 4 research parameters, 3 histograms, 3 DIFF scattergrams and 1 BASO scattergram
- Double optical counting channel both for WBC and basophil measurement
- Venous whole blood, capillary whole 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 $\mu$ L
- Compact in size
- High precision
- Good repeatability



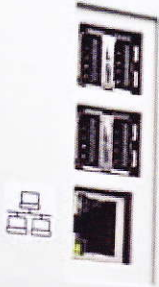
15 $\mu$ L

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

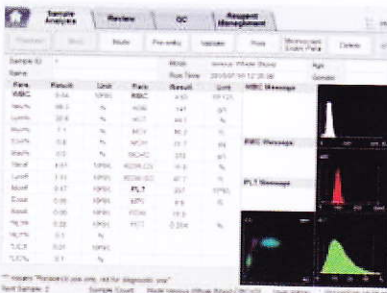
**R**Real double optical channel  
test, both for Diff and BASO. BASO  
channel with optical counting,  
more precise.








**4** USB ports for data transmitting and connection with printer, keyboard, mouse, barcode scanner etc.



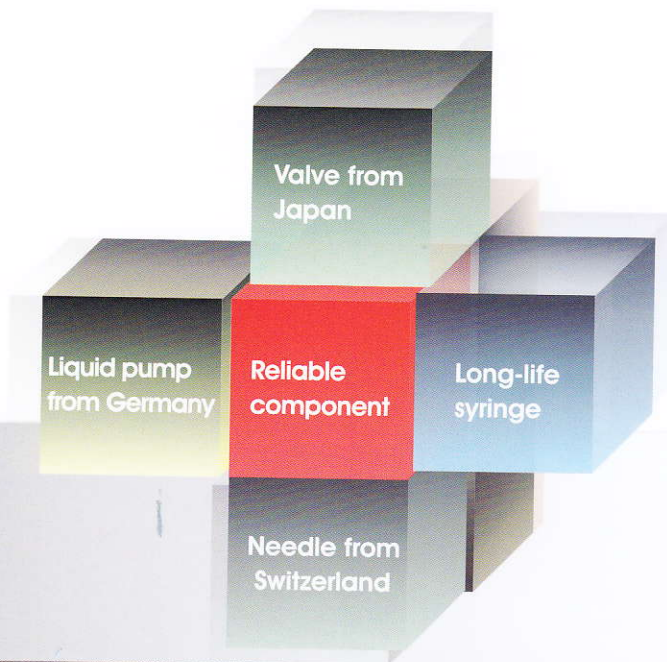
**U**ser friendly operation software.

Name	Result	Unit	Units	Result	Unit	Unit Message	Comment
WBC	5.64	10 <sup>9</sup> /L	RBC	4.55	10 <sup>12</sup> /L		
Hb	16.2	%	HbA1c	147	g/L		
PLT	22.4	%	PLT	463	10 <sup>9</sup> /L		
RDW	11.1	%	RDW	82.2	%		
MCV	10.8	fL	MCV	11.7	fL		
MPV	10.0	fL	MPV	10.5	fL		
PdW	4.84	%	PdW	14.9	%		
LYMP	3.91	10 <sup>9</sup> /L	LYMP	40.7	%		
MONO	0.47	10 <sup>9</sup> /L	MONO	20.7	%		
EOSIN	0.06	10 <sup>9</sup> /L	EOSIN	1.5	%		
NEUT	0.00	10 <sup>9</sup> /L	NEUT	19.8	%		
PLT	0.02	10 <sup>9</sup> /L	PLT	0.204	%		
RDW	0.1	%					



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

**A**ll key components are imported, high quality and longer life. Syringe maintenance free.



# DF50

## Auto Hematology Analyzer

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## echnical 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 <sup>9</sup> /L	RBC (0.00-8.50)×10 <sup>12</sup> /L
HGB (0-250)g/L	PLT (0-3000)×10 <sup>9</sup> /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

Support all printers compatible with windows

### • Dimension

360mm(L) × 470mm(W) × 430mm(H)

### • Net Weight

28KG



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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.