

DF55

Blockbuster Mini 5-Part Hematology Analyzer

Principles

Flow cytometry (FCM) + Tri-angle laser scatter for WBC differentiation
Impedance method for RBC and PLT test
Cyanide free colorimetry for HGB test

Parameters

25 reportable parameters: WBC, Neu#, Lym#, Mon#, Eos#, Bas#, Neu%, Lym%, Mon%, Eos%, Bas%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR, P-LCC

6 research parameters: ALY#, ALY%, LIC#, LIC%, NRBC#, NRBC%

3 histograms for WBC, RBC and PLT

Three DIFF scattergrams and one BASO scattergram for WBC differentiation

Sample volume

20 μ L

Linearity range

WBC: 0.00-300.00 $\times 10^9$ /L

RBC: 0.00-8.50 $\times 10^{12}$ /L

HGB: 0-250g/L

PLT: 0-3000 $\times 10^9$ /L

HCT: 0.0-67.0%

Repeatability

WBC $\leq 2.0\%$ (4.0-15.0 $\times 10^9$ /L)

RBC $\leq 1.5\%$ (3.5-6.0 $\times 10^{12}$ /L)

HGB $\leq 1.5\%$ (110-180g/L)

MCV $\leq 1\%$ (70-120fL)

PLT $\leq 6.0\%$ (100-149 $\times 10^9$ /L)

$\leq 4.0\%$ (150-500 $\times 10^9$ /L)

Sample mode

Whole blood, capillary whole blood and pre-diluted modes

Throughput

Up to 60 tests per hour

Display

10.4 inches TFT touch screen

Printout

Internal printer: 57 mm thermal printer with various formats

External printer: compatible with multiply laser / inkjet printers, compatible with various formats and user-defined formats

Storage

Up to 100,000 records

Communication

LAN port supports HL7 protocol

Support bi-directional LIS

Interface

4 USB ports, 1 LAN port

Power requirement

100V-240V~, 50/60Hz, ≤ 200 VA

Dimension

364mm (W) *498mm (H)*431mm (D)

Net weight

28kg



DYMIND | *the simpler, the better*

Expert for Small Lab



DF55

Blockbuster Mini 5-Part Hematology Analyzer

SHENZHEN DYMIND BIOTECHNOLOGY CO.,LTD.

10th Floor, Building B, High-tech Park, Guangqiao Road, Tianliao Community, Yutang Street, Guangming District, Shenzhen 518107, P. R. China

+86-755-26008015-8123

Intl@dymind.com

www.dymind.com



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.

P/N: EN-DH-55 [7.0]

DF55

Blockbuster Mini 5-Part Hematology Analyzer

Tri-anglelaser scatter with advanced flow cytometry method

Tri-angle semi-conductor laser scatter can show cellular complexity, cellular granularity and cell volume, that means we can get accurate WBC differentiation.

Advanced flow cytometry can get stable sheath fluid and ensure every cell goes through the flow cell one by one.

Independent BASO channel

Basophils (BASO) has important clinical significance, such as Leukemia, Anaphylactic Disease, 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.

■ **Easy to operate**

10.4 inches TFT touch screen with 12.5° best angle

■ **Saving space**

Built-in reagent room is convenient for reagent positioning

■ **Compact size**

Small footprint for space saving

■ **Rich interface**

4 USB ports, 1 LAN port

■ **Humanized design**

No barrier around the needle,
It is suitable for either left hand or right hand

