

DF55

Blockbuster Mini 5-Part Hematology Analyzer

Principles

Flow cytometry (FCM) + Tri-angle laser scatter for WBC differentiation
Impedance method for WBC, 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

20µL

Linearity range

WBC: 0.00-300.00×10⁹/L

RBC: 0.00-8.50×10¹²/L

HGB: 0-250g/L

PLT: 0-3000×10⁹/L

HCT: 0.0-67.0%

Repeatability

WBC≤2.0%(4.0-15.0×10⁹/L)

RBC≤1.5%(3.5-6.0×10¹²/L)

HGB≤1.5%(110-180g/L)

MCV≤1%(70-120fL)

PLT≤6.0%(100-149×10⁹/L)

≤4.0%(150-500×10⁹/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, ≤200VA

Dimension

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

Net weight

28kg

Expert for Small Lab



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P/N: EN-DF55[5.0]

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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

