

# Expert for Small Lab

# 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

20 $\mu$ 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

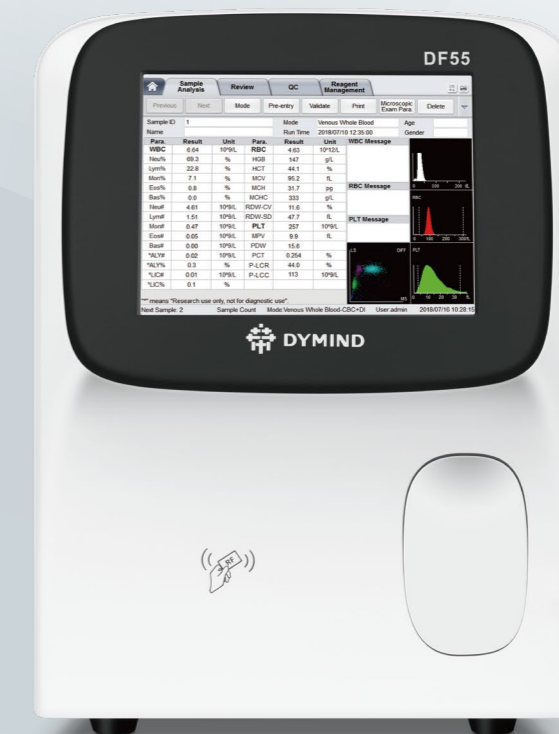
100V-240V~, 50/60Hz,  $\leq 200$ VA

## Dimension

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


## Net weight


28kg



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## *Tri-angle laser 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

