

# UN73

3-Part & 5-Part Combined Auto Hematology Analyzer

## Principles

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

## 5-Part parameters (CBC+5DIFF)

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

One 3D scattergram and three 2D scattergrams for WBC differentiation

## 3-Part parameters (CBC+3DIFF)

21 reportable parameters:

WBC, Lym#, Mid#, Gran#, Lym%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC

3 histograms for WBC, RBC and PLT

## Sample volume

20 $\mu$ L

## Throughput

CBC+3DIFF: Up to 90 tests per hour

CBC+5DIFF: Up to 80 tests per hour

## Test mode

CBC+3DIFF, CBC+5DIFF

## Linearity range

WBC(CBC+3DIFF): 0.00-300.00 $\times 10^9$ /L

WBC(CBC+5DIFF): 0.00-400.00 $\times 10^9$ /L

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

HGB: 0-250g/L

PLT: 0-5000 $\times 10^9$ /L

HCT: 0.0-67.0%

## Repeatability

WBC $\leq 2\%$ (4.0-15.0 $\times 10^9$ /L)

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

HGB $\leq 1\%$ (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)

## Storage

Up to 100,000 records

## Communication

LAN port supports HL7 protocol

Support bi-directional LIS

## Net weight

57.5kg

## Power requirement

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

## Dimension

650mm(W) $\times$ 550mm(H) $\times$ 610mm(D)

## Sample mode


Whole blood, capillary whole blood and pre-diluted modes


## Printout

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



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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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# Beyond Efficiency

# UN73

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## 5-Part testing mode

25 reportable parameters and 6 research parameters

3D scattergram for accurate differentiation and pathological sample flag



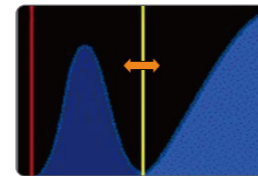
Greatly reduces the test cost

Only two reagents  
21 reportable parameters

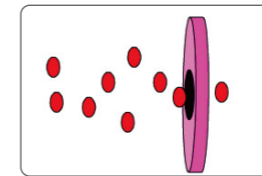
## 3-Part testing mode

## Fully Automatic Intelligent Technology

- Visual self-tests (working status self test and reagent volume self-selection)
- Automatic test re-run, with re-run rules inside
- One-button error removal and automatic standby mode function
- Intelligent WBC/RBC /PLT floating threshold technology



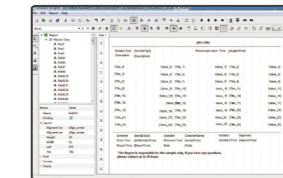
Floating threshold



Detection aperture

## Excellent Data Management System

- A wide range of pathological alarms and up to 20 user-defined alarm ranges
- Customized templates print and help to customize the final report according to requirements
- Bi-directional LIS connection
- QC and calibration management



Customized print templates



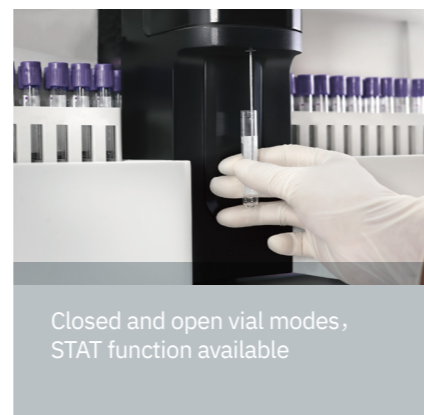
Internal Barcode scanning



Loading up to 60 samples simultaneously and support continuous sample loading

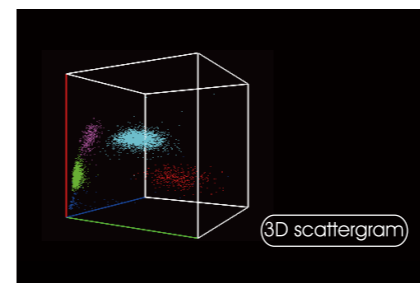


Multiply sample modes: whole blood, capillary whole blood and pre-diluted modes

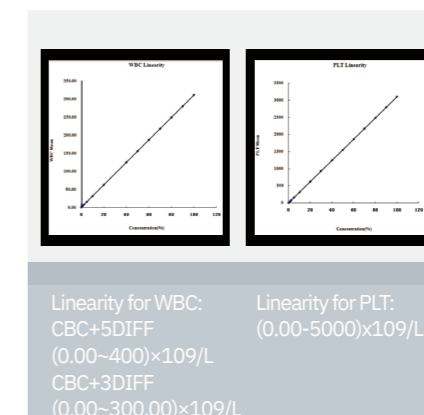


Closed and open vial modes, STAT function available

**Trace** Ultra-low sample volume especially suited to pediatric and geriatric samples



3D scattergram for accurate differentiation and pathological sample flag



Linearity for WBC:  
CBC+5DIFF  
(0.00~400)×10<sup>9</sup>/L  
CBC+3DIFF  
(0.00~300.00)×10<sup>9</sup>/L

Linearity for PLT:  
(0.00-5000)×10<sup>9</sup>/L



Only three lyses, 2 years shelf life