

Principle

CBC+DIFF/RET/NRBC: Laser scattering+Fluorescent method+Flow cytometry

RBC/PLT counting: Hydrodynamic focusing impedance method

HGB calculating: Cyanide-free colorimetric method

Parameter

39 reportable parameters (Whole blood)

- WBC • Lym% • PLR • RDW-SD • MFR • PDW
- Neu# • Mon% • RBC • RDW-CV • HFR • P-LCR
- Lym# • Eos% • HGB • NRBC# • IRF • P-LCC
- Mon# • Bas% • HCT • NRBC% • RHE • IPF
- Eos# • IG# • MCV • RET# • PLT
- Bas# • IG% • MCH • RET% • PCT
- Neu% • NLR • MCHC • LFR • MPV

7 reportable parameters (Body fluid)

TC-BF#, WBC-BF, MN#, PMN#, MN%, PMN%, RBC-BF

Researchable parameters & Graph

- 163 researchable parameters (Whole blood) & 11 researchable parameters (Body fluid)
- 3 Histograms & 2*3D Scattergrams & 8*2D Scattergrams

Sample Mode

Whole blood, capillary blood, pre-diluted, body fluid

Sampling Mode

Auto sampling; Manual sampling(Closed);
Manual sampling(Open)

Test Mode

- CBC • CBC+DIFF+RET+PLT-F • PLT-F
- RET • CBC+DIFF/WBC-3X
- CBC+RET* • CBC+DIFF+WPC
- CBC+DIFF • CBC+DIFF+WPC+PLT-F
- CBC+DIFF+RET • CBC+DIFF+RET+WPC
- CBC+DIFF+PLT-F • CBC+DIFF+RET+WPC+PLT-F *coming soon

Sample Volume

- Whole blood: all≤85ul
- Capillary blood: CBC/CBC+DIFF≤27.5ul
- Pre-diluted: all≤20ul
- Body fluid: all≤85ul

Throughput

110T/H (CBC/CBC+DIFF) 50T/H (Body fluid)

Parameter Linearity Range Precision (CV %)

WBC(10 ⁹ /L)	0-500	≤2.5%(4.00-15.00)
RBC(10 ¹² /L)	0-8.50	≤1.5%(3.50-6.00)
HGB(g/L)	0-250	≤1.0%(110-180)
MCV(fL)	/	≤1.0%(70.0-120)
PLT(10 ⁹ /L)	0-5000	≤4.0%(100-500)

Display

15.6 inch color screen

Data Storage

≥300,000

Barcode Scanning

Automatic rotary barcode scanning.

Data Transmission

USB, LAN port and HL7 with bi-direction LIS are available.

Printout

Compatible with multiple print formats & user-defined set

Operating Environment

- Working Environment: 15°C~32°C;
- Relative humidity: 30%~85%;
- Atmospheric pressure: 70kPa~106kPa

Power

- Voltage: AC 100V~240V (±10%);
- Frequency: 50Hz/60Hz (±1 Hz)
- Power: 1000VA

Size

W*D*H: 670mm*865mm*873mm

Weight

115Kg

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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.

P/N: EN-DH-800 [1.0]



MEET THE ULTIMATE

DH-800

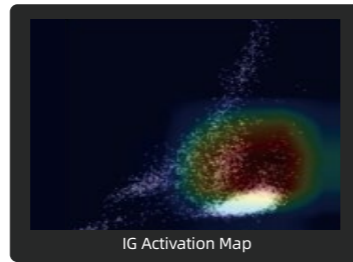
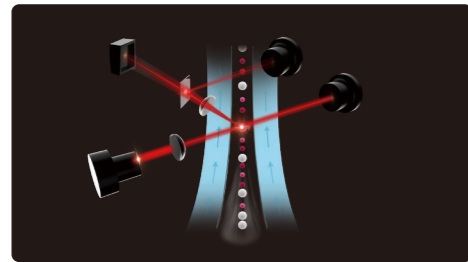
Auto Hematology Analyzer with **RET**



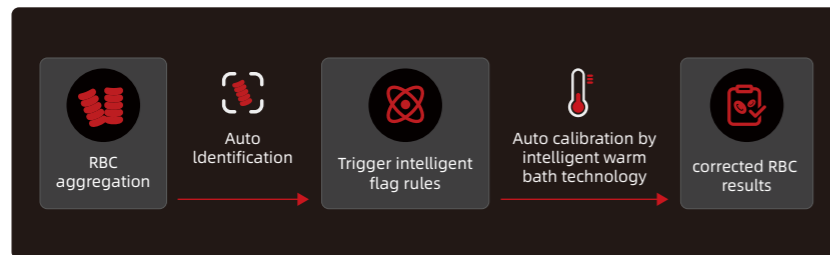
Innovated Technology for abnormal WBC/RBC/PLT

Intelligent AI analysis technology for WBC

- Enhance the accuracy of flagging for Blast/IG.
- Comprehensive and logical AI analysis procedure for common leukemia such as AML&ALL.



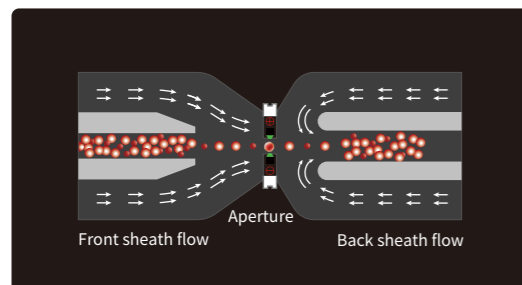
Intelligent Warm Bath technology for RBC



- Intelligent flagging rules for RBC aggregation by analysing the results of RBC & HGB channel.
- Automatic correction with warm bath technology for RBC results interfered by the RBC aggregation

Comprehensive solution for PLT

- New hydrodynamic focusing impedance method decreases for PLT the interference by the microcytes.
- Dedicated PLT de-clump technology figures out the PLT aggregation issues.
- Powerful PLT-F channel provides accurate results for low-value PLT and Immature PLT.



Unprecedented automation for daily operation and maintenance

Various and flexible sampling modes



Trine sampling modes including one automatic mode and two STAT modes are available.

Flexible seamless switching design for various sampling modes

Real full-automation for maintenance



Intelligent full-automatic system for maintenance with unattended operation, which can carry out the maintenance process according to the real-time analyzer status.

Enhanced automatic detection system for capillary blood



Bionic detection with oscillatory mixing method ensures the accurate results for capillary blood

