

## Principle

**CBC+DIFF/RET/NRBC:** Laser scattering+Fluorescent method+Flow cytometry  
**RBC/PLT counting:** Sheath flow impedance method  
**HGB calculating:** Cyanide-free colorimetric method  
**CRP/SAA:** Latex-enhanced nephelometry method

## Parameter

### 44 reportable parameters (Whole blood):

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

### 7 reportable parameters (Body fluid)

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

### Researchable parameters & Graph

- Up to 152 researchable parameters (Whole blood) & 11 researchable parameters (Body fluid)
- 2 Histograms & 4\*3D Scattergrams & 8\*2D Scattergrams (Whole blood)
- 1 Histograms & 1\*3D Scattergrams & 1\*2D Scattergrams (Body fluid)

### 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
- CBC+DIFF+CRP
- RET
- CBC+DIFF+PLT-F
- CBC+DIFF+CRP+SAA
- PLT-F
- CBC+DIFF+RET+PLT-F
- CBC+DIFF+RET+CRP
- CBC+DIFF
- CRP, SAA, CRP+SAA
- CBC+DIFF+RET+CRP+SAA

### Sample Volume

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

### Throughput

Up to 110T/H (CBC/CBC+DIFF)

Parameter	Linearity Range	Precision (CV %)
WBC(10 <sup>9</sup> /L)	0-500	≤2.5%(4.00-15.00)
RBC(10 <sup>12</sup> /L)	0-8.6	≤1.5% (3.50-6.00)
HGB(g/L)	0-260	≤1.0% (110-180)
MCV(fL)	/	≤1.0% (70.0-120)
PLT(10 <sup>9</sup> /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(Main Unit)

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

### Size

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

### Weight

≤115Kg

Note: Specification as above is only applicable to DH-800[T7]CS model.

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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 CS[4.0]

**DYMIND** | *the simpler, the better*

# MEET THE ULTIMATE



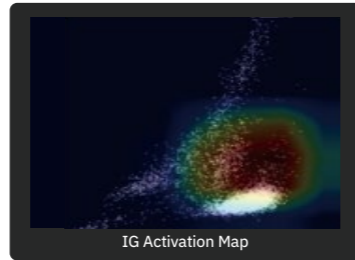
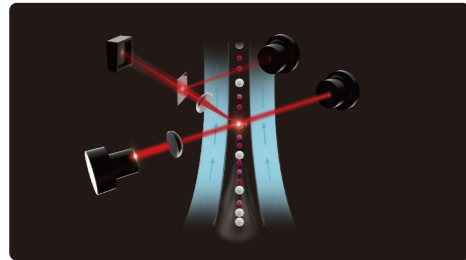
# DH-800 CS

Auto Hematology Analyzer with RET

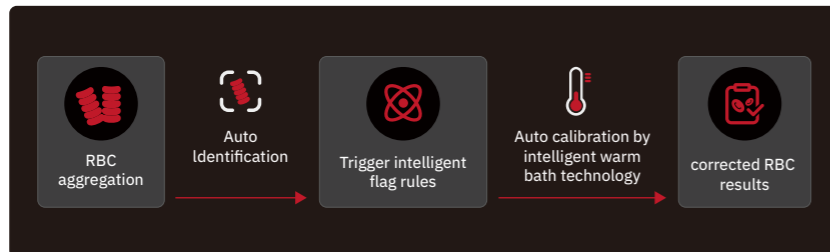
## Innovated Technology for abnormal WBC/RBC/PLT

### New AI 2.0 technology for WBC

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



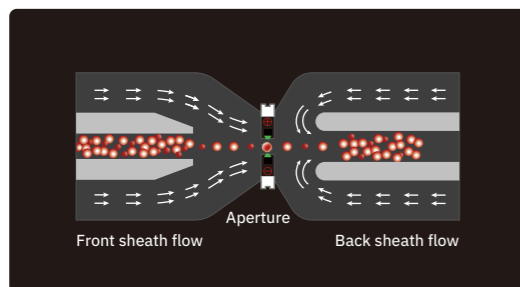
### Upgraded anti-interference solution for RBC



- Provide intelligent flagging rules for RBC aggregation.
- Auto result correction with warm bath technology reduces interference by RBC aggregation.

### Comprehensive solution for PLT

- New sheath flow impedance method decreases the interference by microcytes and large PLT.
- Dedicated PLT de-clump technology ameliorates the PLT aggregation issues greatly.
- Powerful PLT-F channel avoids the interference by cell debris further.



## Unprecedented automation for daily operation and maintenance

### Unparalleled operation experience



- 15.6 inch touch screen for the ultimate interactive experience
- Q-button for switching common mode enhance operation efficiency.
- Loading for whole blood and capillary blood tubes simultaneously are available.

### Various and flexible sampling design



Global pioneer triune sampling design including autoloading and STAT(open and closed) meets various operation habits of end-users.

### Comprehensive solution for auto-maintenance



- Auto shut-down function with internal cleanser room
- Fully-auto maintenance according to the real-time analyzer status.



CBC CRP SAA

Comprehensive solution for infection screening