

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



*The Evolution Continues*

**DH-80** series

Auto Hematology Analyzer

## Improved Technology Meets Clinical Needs

### AI Visual-Illustrated Report

Advanced AI platform exports an illustrated and logical analysis to give early warning of abnormal cells and blood diseases.

### Fluorescent WBC Staining

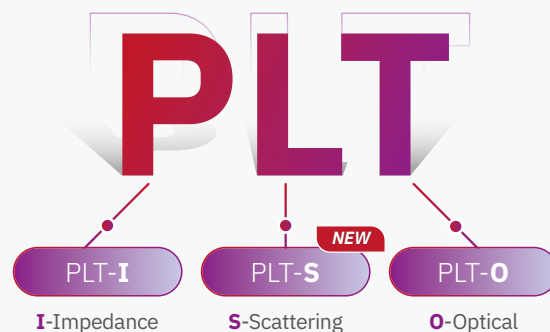
Fluorescent staining improves recognition sensitivity for immature cells in WBC group.

### RBC V/HC Scattergram

Additional MSC (Middle Side Scatter) data in optical channel for RBC and HGB exports V/HC (Volume/ HGB Concentration) scattergram, providing valuable information for distinction of anemia.

### CBC+ESR Joint Testing

"CBC+ESR" enables efficient evaluation for inflammation/ auto-immune diseases/ infection/ cancer etc.



### Optical PLT-S Detection

In CD mode, dye-free PLT-S detection with optical method achieves much higher accuracy than PLT-I, matching PLT-F sensitivity.

## Streamlined Detection Workflow Reduce Operation



### Innovative "4-in-1"

"1 single blood sample" for multiple assay that integrates "CBC+ESR+CRP/SAA" detection in a single workflow.

### Smart Micro-Sampling

Automated micro-volume capillary blood sampling reduces operating labor while maintaining detection precision via automatic mixing.

## Cost-Efficient Solution Satisfy Various Scenarios



### RET and NRBC Dye Saving Solution

No RET dye consumption during startup/ shutdown and daily maintenance. No additional dye required for reportable NRBC from DIFF channel.

### Flexible CBC Staining

CBC-5D with optical classification for outpatients and CBC-6D with fluorescent staining for inpatients to reduce reagent cost according to clinical situation.

\*CRP/SAA, RET, PLT-O are optional functions.

|                      |                                                                                                                                                                                                                                             |                      |                                                                    |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------|
| <b>Throughput</b>    | CBC≥100T/h; CD≥80T/h; ESR≥80T/h; RET≥45T/h                                                                                                                                                                                                  | <b>Sample type</b>   | Venous whole blood, Capillary blood, Pre-diluted blood, Body fluid |
| <b>Sample volume</b> | ≤25±2μL                                                                                                                                                                                                                                     | <b>Communication</b> | 4 USB ports, 1 LAN port, LIS connection supported                  |
| <b>Principle</b>     | <b>CBC+DIFF/RET/NRBC:</b> Laser scattering+ Fluorescence staining+ Flow cytometry<br><b>RBC/PLT counting:</b> Impedance/sheath-flow optical method<br><b>HGB:</b> Cyanide-free colorimetric method<br><b>ESR:</b> Spectrophotometric method | <b>Storage</b>       | 300,000                                                            |
|                      |                                                                                                                                                                                                                                             | <b>Printer</b>       | External printer supported                                         |
|                      |                                                                                                                                                                                                                                             | <b>Display</b>       | 15.6 inches touch screen                                           |
|                      |                                                                                                                                                                                                                                             | <b>Dimension</b>     | ≤600mm(W)x820mm(D)x620mm(H)                                        |
|                      |                                                                                                                                                                                                                                             | <b>Weight</b>        | ≤82kg                                                              |

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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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