

Empowering CBC test  
with maximum capabilities

# H30 Pro

Hematology Analyzer



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## Empowering CBC test with maximum capabilities

H30 Pro is a robust 3-part hematology analyzer integrating a range of advanced features intended for a cost-minded and quality-focused clinical laboratory. The enhanced specification expands clinical capabilities; the brand new operating system simplifies the working process; the quality hardware components ensure reliable performance, and the improved fluidic system reduces reagent consumption. To pursuit higher satisfaction, H30 Pro empowers CBC test with maximum capabilities by

- Giving absolute neutrophil count
- Offering up to 23 parameters including PLR and NLR
- Extending linearity range for WBC and PLT
- Differentiating WBC, RBC, and PLT with adaptive threshold
- Requiring small sample volume for pediatric samples and difficult draw
- Simplifying the working process with an intuitive operation system
- Lowering cost with two routine reagents



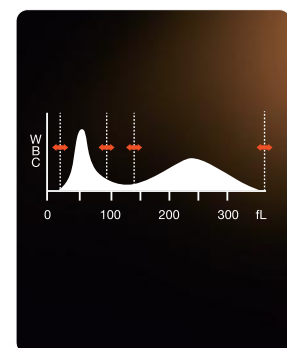
Intuitive operating system



Offering NLR, PLR



Small sample volume



Adaptive threshold

## Expanded clinical capabilities

- Wider linearity range and better precision meet diversified clinical cases
- 23-parameters test result, including NLR and PLR, helps with the prognosis of infectious and cardiovascular diseases
- Adaptive threshold differentiates WBC, RBC, and PLT with better accuracy
- Original hematology calibrator and controls guarantee the performance



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## Simplified working process

- 10.4-inch color touch screen with an innovative operating system is simple-to-use and easy-to-navigate
- A handheld barcode scanner allows easy entry of patient ID
- RFID transducer secures the distributors' reagent business
- A built-in thermal printer allows for a fast printout of test reports



- The memory contains up to 100,000 results, including histograms
- Up to 60 QC files with 100 QC data for each can be stored
- Support external printer, barcode scanner, mouse, and keyboard for flexible connection options
- Bi-directional LIS connectivity via HL7

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## Effective cost control

- Two routine reagents for sample analysis, up to 180 days on-board stability plus low reagent consumption, provide cost-effective results
- Reliable diagnostics keep costs to a minimum
- Minimal maintenance ensures maximal uptime



## Specification

| Parameters                                                                                             |                                                                                                                         |                                                                                                    |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 21 reportable parameters:                                                                              | WBC, LYM%, MXD%, NEUT%, LYM#, MXD#, NEUT#, RBC, HGB, HCT, MCV, MCH, MCHC,RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, PLCC, PLCR |                                                                                                    |
| 2 RUO parameters:                                                                                      | *NLR, *PLR                                                                                                              |                                                                                                    |
| 3 histograms:                                                                                          | WBC, RBC, PLT                                                                                                           |                                                                                                    |
| Performance                                                                                            |                                                                                                                         |                                                                                                    |
| Parameter                                                                                              | Linearity Range                                                                                                         | Precision ( CV% )                                                                                  |
| WBC (10 <sup>9</sup> /L)                                                                               | 0.0-300                                                                                                                 | ≤2.5% (3.50-15.00)                                                                                 |
| RBC (10 <sup>12</sup> /L)                                                                              | 0.0-8.5                                                                                                                 | ≤1.5% (3.5-6.5)                                                                                    |
| HGB (g/L)                                                                                              | 0-250                                                                                                                   | ≤1.5% (100-180)                                                                                    |
| PLT (10 <sup>9</sup> /L)                                                                               | 0-4000                                                                                                                  | ≤5.0% (125-500)                                                                                    |
| MCV(fL)                                                                                                |                                                                                                                         | ≤1.0% (70.0-120.0)                                                                                 |
| HCT(%)                                                                                                 |                                                                                                                         | ≤2.0% (30-50)                                                                                      |
| Principles                                                                                             |                                                                                                                         | Display                                                                                            |
| Direct impedance method for WBC, RBC and PLT counting<br>Cyanide free Lyse reagent for hemoglobin test |                                                                                                                         | 10.4 inch TFT color touch screen                                                                   |
|                                                                                                        |                                                                                                                         | Throughput                                                                                         |
|                                                                                                        |                                                                                                                         | 60 samples per hour                                                                                |
| Sample Volume                                                                                          |                                                                                                                         | Control and Calibrator                                                                             |
| Whole blood mode                                                                                       | 10μL                                                                                                                    | ED-30D, ED-CAL PLUS                                                                                |
| Capillary whole blood mode                                                                             | 10μL                                                                                                                    |                                                                                                    |
| Pre-diluted mode                                                                                       | 20μL                                                                                                                    |                                                                                                    |
|                                                                                                        |                                                                                                                         | Data Storage Capacity                                                                              |
|                                                                                                        |                                                                                                                         | 100, 000 results including results and histograms<br>60 QC files (100 data per file)               |
| Reagent                                                                                                |                                                                                                                         | Dimension and Weight                                                                               |
| HD310 Diluent 10L/20L                                                                                  |                                                                                                                         | 415mm(L) x 275mm(W) x 406mm(H);<br>Weight: 18kg                                                    |
| HL310 Lyse 200mL/500mL                                                                                 |                                                                                                                         |                                                                                                    |
| HC310 Cleaner 50mL                                                                                     |                                                                                                                         |                                                                                                    |
| Operating Environment                                                                                  |                                                                                                                         | Interface                                                                                          |
| Temperature: 15°C~35°C;<br>Humidity: 20% RH~85% RH;<br>Air pressure: 70 kPa~106 kPa                    |                                                                                                                         | 5 USB ports (for external printer, software upgrade, barcode scanner, keyboard, mouse), 1 LAN port |

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