

Empowering CBC test
with maximum capabilities

H30 Pro

Hematology Analyzer



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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



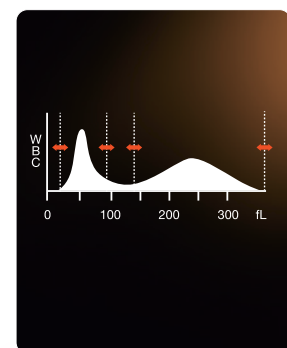
Intuitive operating system



Offering NLR, PLR



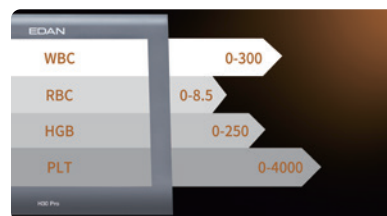
Small sample
volume



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



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

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 ⁹ /L)	0.0-300	≤2.5% (3.50-15.00)
RBC (10 ¹² /L)	0.0-8.5	≤1.5% (3.5-6.5)
HGB (g/L)	0-250	≤1.5% (100-180)
PLT (10 ⁹ /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 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 60 QC files (100 data per file)
Reagent		Dimension and Weight
HD310 Diluent 10L/20L HL310 Lyse 200mL/500mL HC310 Cleaner 50mL		415mm(L) x 275mm(W) x 406mm(H); Weight: 18kg
Operating Environment		Interface
Temperature: 15°C~35°C; Humidity: 20% RH~85% RH; 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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