

H30 Pro Hematology Analyzer

Specification

Parameters

24 reportable parameters: WBC, LYM%, MID%, GRA%, LYM#, MID#, GRA#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW-CV, PDW-SD, PCT, PLCC, PLCR

2 RUO parameters: *NLR, *PLR

3 histograms for WBC, RBC and PLT

Performance	Parameter	Linearity Range	Precision (CV %)
	WBC (10 ⁹ /L)	0.0-300	≤3.0% (3.50-7.00) ≤2.5% (7.01-15.00)
	RBC (10 ¹² /L)	0.0-8.5	≤1.5%
	HGB (g/L)	0-250	≤1.5%
	PLT (10 ⁹ /L)	0-4000	≤5.0%
	MCV(fL)	70-120	≤1.0%

Principles

Direct impedance method for WBC, RBC and PLT counting

Cyanide free Lyse reagent for hemoglobin test

Sample Volume

Whole blood mode	10 µL
Capillary whole blood mode	10 µL
Pre-diluted mode	20 µL

Throughput

60 samples per hour

Control and Calibrator

ED-30D, ED-CAL PLUS

Reagent

HD310 Diluent 10L/20L
HL310 Lyse 200mL/500mL/1L
HC310 Cleaner 50mL

Data Storage Capacity

100,000 results including results and histograms
60 QC files (100 data per file)

Dimension and Weight

415mm(L) x 275mm(W) x 406mm(H);
Weight: 18kg

Operating Environment

Temperature: 15°C~35°C;
Humidity: 20% RH~85% RH;
Air pressure: 70 kPa~106 kPa



Empowering CBC test
with maximum capabilities

H30 Pro

Hematology Analyzer



About Edan

Edan is a healthcare company dedicated to improving the human condition around the world by delivering value-driven, innovative and high-quality medical products and services. For over 20 years, Edan has been pioneering a comprehensive line of medical solutions that address a broad range of healthcare practices including:

- Diagnostic ECG
- Patient Monitoring
- OB/GYN
- Ultrasound Imaging
- Point-of-Care Testing
- *In-Vitro* Diagnostics
- Veterinary

Healthcare professionals around the world depend on Edan's breakthrough medical technologies and outstanding customer support.



A world of potential

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ENG-IVD-H30 Pro-V1.1-20201210



A world of potential

H30 Pro

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 pursue higher satisfaction, H30 Pro empowers CBC test with maximum capabilities by

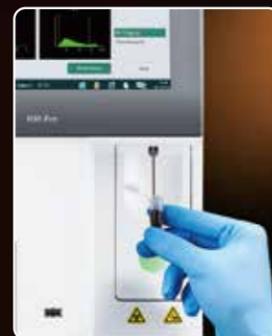
- Offering up to 24 parameters including PLR and NLR
- Extending linearity range for WBC and PLT
- Differentiating WBC, RBC, and PLT with adaptive threshold
- Requiring small sample volume for pediatric samples and difficult draw
- Simplifying the working process with an intuitive operation system
- Lowering cost with two routine reagents



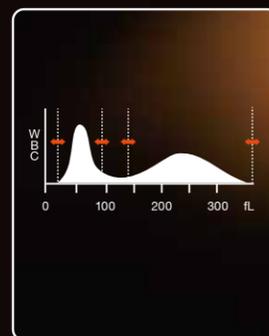
Intuitive operating system



Offering NLR, PLR



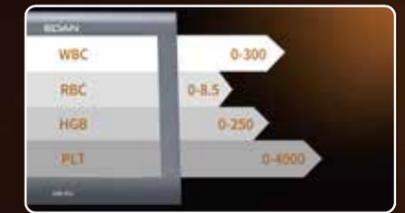
Small sample volume



Adaptive threshold

Expanded clinical capabilities

- Wider linearity range and better precision meet diversified clinical cases
- 24-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
- Bidirectional LIS connectivity via HL7

Effective cost control

- Two routine reagents for sample analysis, up to 120 days on-board stability plus low reagent consumption, provide cost-effective results
- Reliable diagnostics keep costs to a minimum
- Minimal maintenance ensures maximal uptime

