

H30 Fully Automated Hematology Analyzer

Specifications

Parameters

20 parameters: WBC, LYM%, MID%, GRA%, LYM#, MID#, GRA#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW, RDW-SD, PLT, MPV, PDW, PCT, P-LCR

Histograms: WBC (3-Diff), RBC and PLT

Performance

Parameter	Linearity Range	Precision (CV %)
WBC (10 ⁹ /L)	0.3-100	<2.5%
RBC (10 ¹² /L)	0.1-15	<2.0%
HGB (g/dL)	0.3-24	<1.5%
MCV (fL)	50-150	<1.0%
PLT (10 ⁹ /L)	10-2000	<5.0%

Principles

Electrical impedance method for cell counting and cyanide free lyse for hemoglobin measurement

Throughput

60 samples per hour

Sample Volume

10 μ L for whole blood mode ; 20 μ L for predilution mode

Display

10.4 inch TFT color touch screen

Data Storage Capacity

36,000 files including demographics, results and histograms, 12 QC files (100 data per file)

Interface

5 x USB Port, LAN

Operating Environment

Temperature: 18°C~32°C ; Humidity: <80% ; Air pressure: 70 kPa~106 kPa

Input Device

Built-in virtual keyboard and external barcode scanner

Power Supply

100V-240V, 50Hz/60Hz, 2A

Dimensions and Weight

Depth (406 mm) x Width (275 mm) x Height (430 mm) ; Weight: 14kg

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

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



A world of potential

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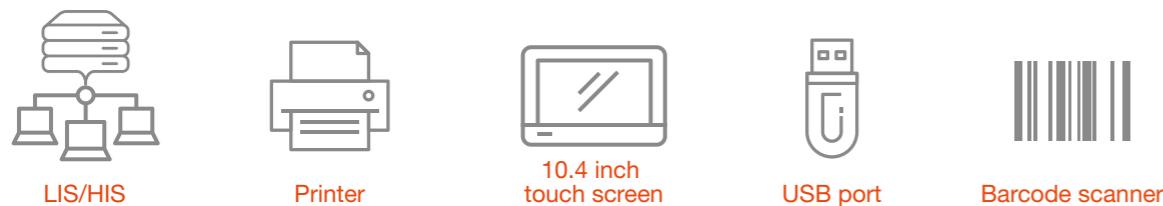
Fully Automated Hematology Analyzer



A world of potential

H30

Fully Automated Hematology Analyzer



Fully automated, 3-Part differentiation of WBC
20 parameters and 3 histograms for WBC, RBC, and PLT
Throughput: 60 samples per hour
10.4 inch TFT color touch screen
36,000 files including demographics, results and histograms, 12 QC files (100 data per file)
Integrated thermal printer and external barcode scanner
PCL3 inkjet printer and PCL6 laser printer supported



Excellent performance

- More parameters, better diagnostic experience
20 parameters: WBC, LYM%, MID%, GRA%, LYM#, MID#, GRA#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW, RDW-SD, PLT, MPV, PDW, PCT, P-LCR
Histograms: WBC (3-Diff), RBC and PLT
- 60 samples per hour to maximize work efficiency
- Wide linearity ranges and excellent precision



Economical running cost

- Low sample volume: 10µL whole blood per test
- Proven technology and excellent structure design guarantee stable and superior performance, while minimize service cost
- 3 reagents with low reagent consumption for economical running cost



Human-centered design

- 10.4 inch TFT color touch screen for better user experience
- Built-in reagent design to save bench space
- Reagent indicator to check inventory easily
- 10 liters Diluent package and reagent handle make it easy to take and replace
- Integrated thermal printer and external barcode scanner to optimize management of reagents and patient samples



Flexible system expandability

- 5 USB ports for data import/export, printer, external keyboard, barcode scanner
- LAN port with TCP/IP for easy integration into LIS/HIS
- Capable to connect PC via data management software*

*Under development