Less Running Costs

- Approximately 50% less reagent consumption
- Higher efficiency on diluent

Flexible System Expandability

- More compatible external printer
Epson_M100/105/200/205/XP-310/L355
Epson L220 series
Epson L4150
Lexmark_CS310/MS410
HP LaserJet P1102/1106/1108
HP LaserJet Pro 400 M401dn
Brother HL-2270DW
PCL3/6 protocol
- 5 USB ports for data transmission, printer, barcode scanner and external keyboard
- LIS/HIS connectivity

Minimum Maintenance

- Only require for weekly and annually based maintenance, which is also an extremely simple and cost effective maintenance list.
- Might be the lowest operation cost as well as maintenance difficulty for distributors.

Ingenious Internal Structure

- Life-time tubing – do not have to be touched ever
- Modular design – lower maintenance difficulty
- There is no high – voltage anywhere in the system
- Liquids are separated from electronics
- Valves are easy to reach

Specifications

Principles Impedance method for WBC, RBC and PLT counting
Cyanide free reagent for hemoglobin test
Hydrodynamic Focus Free + Super Blue LED scatter for WBC differential analysis

Parameters
25 reportable parameters: WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC.

4 Research parameters include IMM%, IMM#, ALY%, ALY# / 3 histograms for WBC, RBC and PLT / 1 scattergram for 5-differential

Reagent HD500 Diluent, HL500 Lyse, HC500 Cleaner, HB300 Bleach

Control and Calibrator ED-50D, ED-CAL PLUS

Performance

Parameter	Linearity Range	Precision
WBC(10^9/L)	0.0-100	≤ 3.0%（3.5-6） ≤ 2.5%（6.1-15）
RBC(10^{12}/L)	0.0-8	≤ 1.5%（3.5-6.5）
HGB(g/L)	0.0-250	≤ 1.5%（110-180）
PLT(10^9/L)	0.0-2000	≤ 4.0%（100-500）

Sample Volume
Whole Blood (WB) 15.6 μL
Capillary (CAP) 15.6 μL
Pre-diluted (PD) 20.0 μL

Throughput
60 samples per hour

Display
10.4 inch TFT Touch Screen

Multi-language
Chinese, English, French, Russian, Spanish

Data Storage Capacity
Up to 35,000 results including numeric and graphical information
12 QC files (100 data per file)

Communication
LIS/HIS connectivity: HL7

Input Device
Built-in virtual keyboard, external barcode reader

Interface
5 *USB, LAN, COM

Printout
External laser printer /
Inkjet printer

Operating Environment
Temperature: 18°C~32°C
Humidity: ≤80%
Air pressure: 70kPa～106kPa

Power requirement
100V-240V, 50Hz/60Hz

Dimension and Weight
430mm(H)*275mm(W)*406mm(D), 13kg

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.

EDAN
A world of potential

Global Headquarters:
Edan Instruments, Inc. | 15 Jinhui Road, Pingshan District, Shenzhen
518122 P.R. China | +86.755.26898326 | www.edan.com | info@edan.com
U.S. and Canada inquiries:
EDAN Diagnostics, Inc. | 9918 Via Pasar, San Diego, CA 92126
+1.858.750.3066 | www.edandiagnostics.com | edan-info@edandiagnostics.com

CE

ENG-IVD-H50-V1.0-20200310

New Generation of 5-Part

H50

Hematology Analyzer

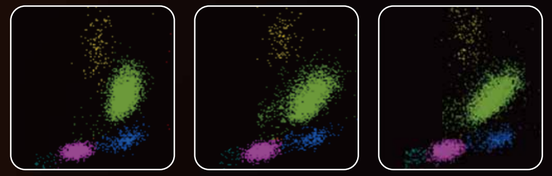
EDAN
A world of potential

H50
Ingenuity for 5-Part

H50, the new line of 5-part hematology analyzer, is developed by institutive technology, where ingenuity meets advancement. With the innovative technology, simple operations, fewer reagents, intelligent fluidic system design and better performance, all in a smaller more affordable package that will fit any clinician budget and space.

Excellent Performance on Aging Samples

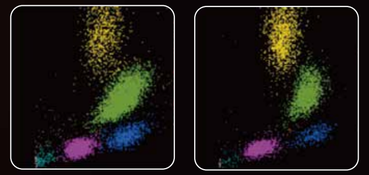
The technology delivers lower sensitivity to sample age, allowing you to more freedom to organize your work.



5 Hours　24 Hours　48 Hours

Excellent Performance on Eosinophilia Samples

The combination of the flow-cell, the super blue LED and the proprietary reagents provide excellent differentiation of WBC, even on Eosinophilia samples.



Sample 1　Sample 2

	WBC	LYM%	MON%	NEU%	EOS%	BAS%
Sample 1	7.1	21.6 l	9.0	59.2	10.2 H	0.0
Sample 2	8.1	27.2	5.3	41.0 L	26.3 H	0.1

Improved Platelet Identification

The H50 counting aperture is only 50μm which is smaller than conventional counting aperture that is usually over 80μm. The smaller aperture is more sensitive than the bigger ones, even the small PLT can be detected because of the signal to noise ration is higher. This will significantly improve the identification of platelet.