*German Technology in 5 Part Analysis

its Different...

H50

5 Part Hematology Analyzer

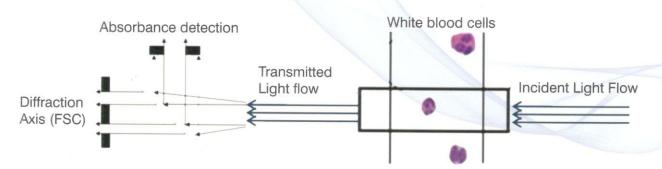
Delivering
High Quality
Results at
affordable cost
with very
low maintenance



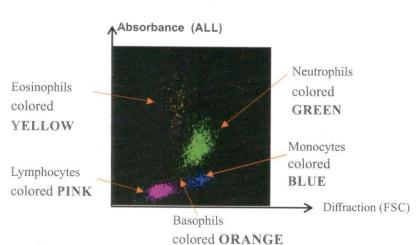


Five-part Diff Measurement Principle

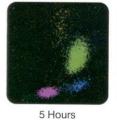
The principal is based on Flow Cytometry Hydrodynamic Focus Free Optical Light Scatter.



The measured pulse on the two optical channels displayed on Diff plot ALL (Y axis) & FSC (X axis). Each dot on the diff plot represents cell size by way of Forward Scatter (FSC) and internal complexity by way of Axial Light Loss (ALL)



Excellent Performance on Aging Samples







24 Hours

Excellent Performance on Eosinophilia Samples





Sample 1

Sample 2

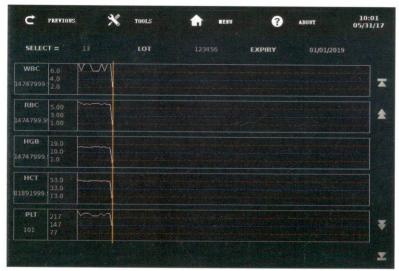
	WBC	LYM%	MON%	NEU%	EOS%	BAS%
Sample 1	7.1	21.6	9.0	59.2	10.2 H	0.0
Sample 2	8.1	27.2	5.3	41.0 L	26.3 H	0.1

Accurate Platelet Count Smaller sized Aperture (50 μm) will significantly improve the identification of smaller sized Platelets. Very useful in Dengue. Detection area

Calibration:

- Auto and manual calibration option available
- Possible to import calibration data via USB drive





QC:

- · 12 Lots QC file can be added
- 100 data per lot
- · Import/Export data via USB drive
- Levy Jennings graph

Key Features & Benefits:

- 29 Parameters with one scatter gram for 5 part differential & 3 Histograms for RBC, PLT, WBC
- · Low reagent consumption and very low maintenance
- Life time warranty for internal tubing
- A large colour touch screen allows easy & efficient operation
- Requiring minimal bench space
- Reporting Modes: CBC & CBC+5 Part Diff

Pathological alarms

RBC	WBC	PLT
Erythrocytosis Anemia Anisocytosis Microcytes / Microcytosis (R1) Macrocytes / Macrocytosis (R2) Hypochromia Erythrobiast Cold Agglutinins	Leukocytosis Leukopenia Lymphocytosis Lymphopenia Neutrophilia Neutropenia Eosinophilia Monocytosis Basophilia Large Immature Cells (L5, IMM) Atypical Lymphocytes (RL, ALY)	Thrombopenia Thrombocytosis Giant platelets Small platelets Microcytes (P3) Schistocytes (P2) PLT Debris

Specifications

Principles Impedance method for WBC, RBC and PLT counting

Cyanide free reagent for hemoglobin test

Hydrodynamic Focus Free optical light scatter for WBC differential analysis

Parameters

29 reportable parameters: WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#,

Eos#, Bas#, IMM%, IMM#, ALY%, ALY#

RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW,

PCT, P-LCR, P-LCC.

3 histograms for WBC, RBC and PLT / 1 scattergram for 5 Part differential

4 Research parameters

Linearity Range Precision HD500 Diluent, HL500 Lyse, Performance Parameter Reagent 3.0% (3.5~6) HC500 Cleaner, HB300 Bleach WBC(10⁹/l) 0.0-100 2.5% (6.1~15) Control and ED-50D, ED-CAL PLUS 1.5% (3.5~6.5) RBC(1012/I) 0.0-8 Calibrator 1.5% (11.0~18.0) HGB(g/dl) 0.0-25.0 4.0% (100~500) PLT(10⁹/I) 0.0-2000

Sample Modes & 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

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

Communication
Bi-directional LIS/HIS connectivity

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%

Power requirement 100V-240V, 50Hz/60Hz, 160 W

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

*Manufactured by Edan in technical collaboration with BIT Germany



