

H 560

5 PART DIFF

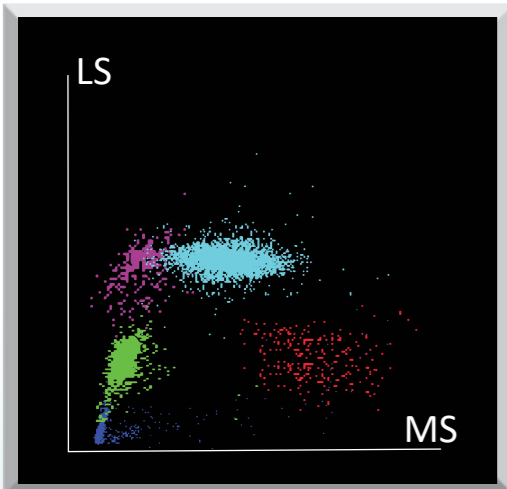
HEMATOLOGY ANALYZER

with
**ADDED
PARAMETERS**



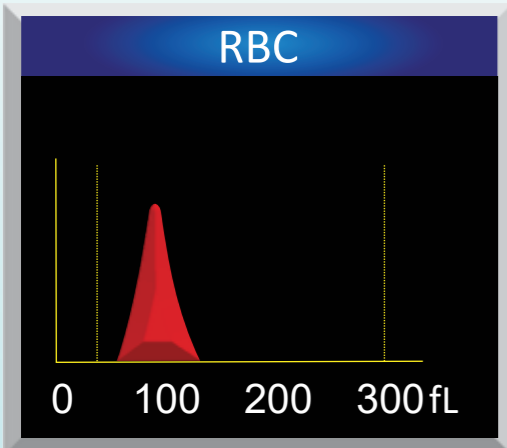
***New Generation
High Performance***

A product of Erba Europe



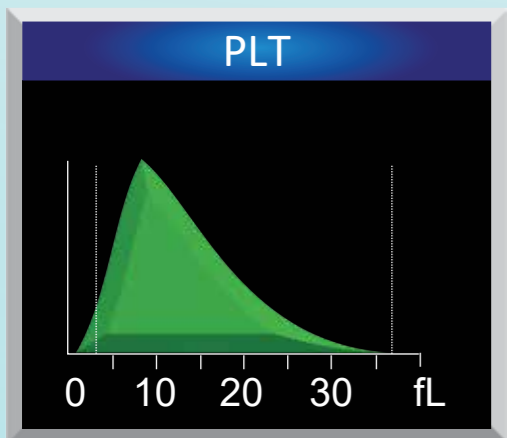
WBC DIFF - TRI ANGLE LASER BASED FLOW CYTOMETRY

- Intensity of light scattered from semiconductor laser beam on the blood cells reflects cell size and intra cellular density
- Low angle scatter shows cell size, while the middle and high angle display intracellular information (nucleus and cytoplasmic content). Pulse data thus captured plots 4 2D scattergrams
- Independent WBC / Baso channel uses special hemolytic agent that extracts Basophils



RBC / PLATELET ELECTRICAL IMPEDANCE

- Electrical impedance measures change in electrical resistance produced by a blood cell suspended in conductive diluent as it passes through an aperture



CONVENIENT

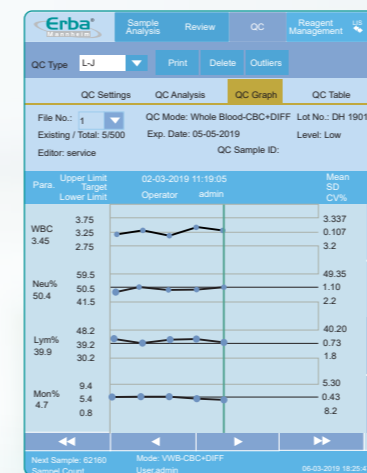
- 10.4" large coloured LCD touchscreen with graphic icons
- Single page view of full report
- **ADDM** - Unique **A**uto **D**iluent **D**ispensing **M**echanism
- **RIMS** – **R**eal time **I**nventory **M**anagement **S**ystem with **R**FID

PRECISE & ACCURATE

- Excellent short and long-term precision
- Highly accurate results correlating with microscopic examination and clinical findings
- Specific flagging messages to alarm for microscopic slide review

ONLY 15 µL SAMPLE VOLUME

- Just 15 µL sample volume: all age groups



ADVANCED SOFTWARE

- Large storage capacity: 100,000 reports with graphs
- 1 LAN port for bi-directional interfacing (HL 7, TCP/IP; LIS connectivity)
- Customizable format to transcribe other test results for consolidated patient reports
- QC - 500 files onboard, L-J and X Bar, Upload / download data via USB
- QR code scanner facilitates direct inputs of QC values

34

34 PARAMETERS INCLUDING NLR, NRBC & CWBC

- P-LCR, P-LCC, PDW-SD & PDW-CV aids in differential diagnosis of cases with abnormal platelet counts
- RDW-SD, RDW-CV & MCV aids in screening for causes of anaemia
- **NLR**: Novel prognostic marker for predicting short and long-term mortality in patients with COVID-19, cancer, sepsis, CVD, and post-operative complications. An NLR >3 is indicative of disease severity

NRBC: Useful to assess ineffective erythropoiesis to optimize blood transfusion in thalassemics or sickle cell anemia patients

CWBC: Corrected WBC count reported in NRBC detected samples

PLC#	0.7	10 ³ /uL
LIC%	0.05	%
LIC%	0.8	%
*NRBC#	0.022	10 ³ /uL
*NRBC%	0.33	%
*cWBC	6.70	10 ³ /uL
*NLR	1.98	
RBC	5.58	10 ⁶ /uL
GB	16.6	g/dL
	49.7	%

with **ADDED PARAMETERS**



ASSURED QUALITY WITH NABL COMPLIANCE

- Lab mean
- Traceability of controls and calibrator runs
- Traceability of consumable lots

Hear it from the expert

A cytokine storm leads to an increase in Neutrophils and reduction in Lymphocytes, as a result there is an increase in NLR. Thus, NLR is considered a reliable indicator of the severity of infection.

Dr. Renu Saxena
Director and Head, Hematopathology,
Medanta - The Medcity, Gurgaon

A product with **EUROPEAN QUALITY**

Technical Specification

Mode Type

Whole blood, Predilute, Capillary

34 Parameters

CBC: WBC, RBC, Hb, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PCT, PDW-CV, PDW-SD, P-LCR, P-LCC.

DIFF: Neutrophils % & #,

Lymphocytes % & #,

Monocytes % & #, Eosinophils % & #,

Basophils % & #

*ALY % & #, *LIC % & #, *NRBC % & #,

*CWBC, *NLR

*Research use only

Principle of measurement

RBC/PLT: Electrical Impedance

WBC + DIFF: Tri-angle Laser

Flowcytometry

Hb: Cyanide-Free Colorimetry

MCV: Measured

HCT: Calculated

Histograms: 3 (WBC/RBC/PLT)

Scattergram: 3 (2D), 1 (WBC/Baso)

Throughput

upto 60 Tests/Hr

QR Code Reader

For reading sample bar codes & QC values

Sample Volume:

Whole blood : 15 µL

Pre-diluted : 20 µL

Capillary : 20 µL

CBC Mode : 11 µL

Linearity Range

WBC : 0 - 300 (x 10³/µL)

RBC : 0.00 - 8.50 (x 10⁶/µL)

Hb : 0 - 25.0 (g/dL)

HCT : 0 - 67 (%)

PLT : 0 - 3000 (x 10³/µL)

Calibrator

ELite H Cal

Tri-level Controls

Elite H5 CON L, N, H

Open Vial Stability at 2-8 °C: 16 Days

Data Storage

100,000 Results with Graphs

100 calibrator results

Reagent log storage for 6 months

Quality Control

500 files with L-J graph

X-Bar Analysis

Dimension (mm)

364x498x431

Weight (Kg)

26.5

Reagents

Erba H560 Dil

Erba H560Lyse1

Erba H560Lyse2

Elite H Clean

Interfaces

4 USB ports (For connecting external devices including external printer) + 1 LAN Port (HL 7, TCP/IP; LIS connectivity)

Operating Environment

Temperature : 15-40 °C

Humidity : 30-90%

Power Requirement

A.C.100-240V

with *built-in* voltage stabiliser

50/60Hz

200VA

Transasia - Erba Group

Global Footprint



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