

ELite 580

5 PART DIFF HEMATOLOGY
ANALYZER WITH AUTOLOADER



***New Generation
High Performance***

A product of Erba Europe

A product with EUROPEAN QUALITY

IMPROVED OPERATING EFFICIENCY

- Continuous loading of 60 tubes with autoloader
- Improved workflow- Throughput: 80 samples / hr
- STAT mode for urgent sample testing

MORE WITH LESS

- Just 20 µL sample volume: all age groups
- 31 parameters including:
 - 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
 - P-LCR, P-LCC & PDW-SD aids in differential diagnosis of cases with abnormal platelet counts
 - RDW-SD, RDW-CV & MCV aids in screening for causes of anaemia

CONVENIENT

- 22" Large coloured LCD touch screen with graphic icons
- Rack ID for better sample traceability

PRECISE & ACCURATE

- Excellent short & long term precision
- Highly accurate results correlating with microscopic examination & clinical findings.

HEMOGLOBIN CYANIDE FREE COLORIMETRY

ADDM

- Unique Auto Diluent Dispensing Mechanism

QUALITY CONTROL

- 500 files onboard
- L-J and X Bar formats
- Direct transfer of QC assay sheet via USB
- QR code scanner facilitates direct input of QC values
- NABL Compliance - Lab mean, Traceability of controls and calibrator runs

RIMS

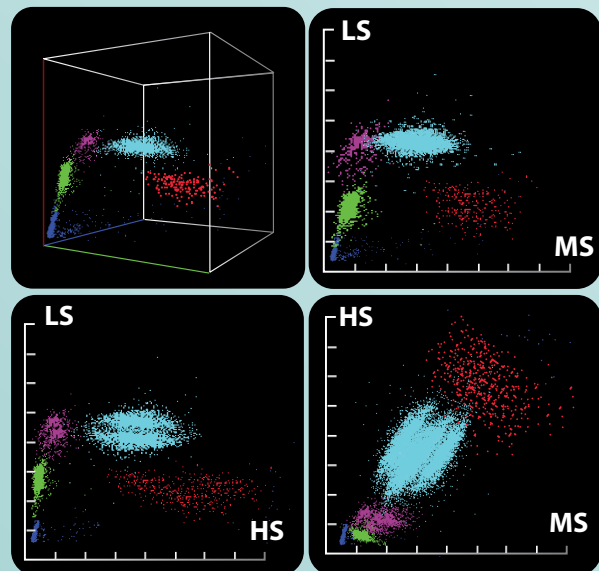
- Real time Inventory Management System with RFID and complete Traceability of consumable lots

ADVANCED SOFTWARE

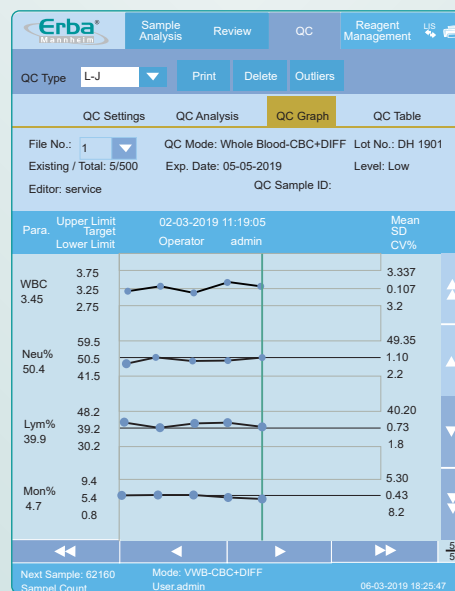
- Large storage capacity: 100,000 reports with graphs
- 4 USB ports (For connecting external devices including external printer) + 1 LAN Port (HL 7, TCP/IP; LIS connectivity)

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 3 2D & 1 3D scattergram.

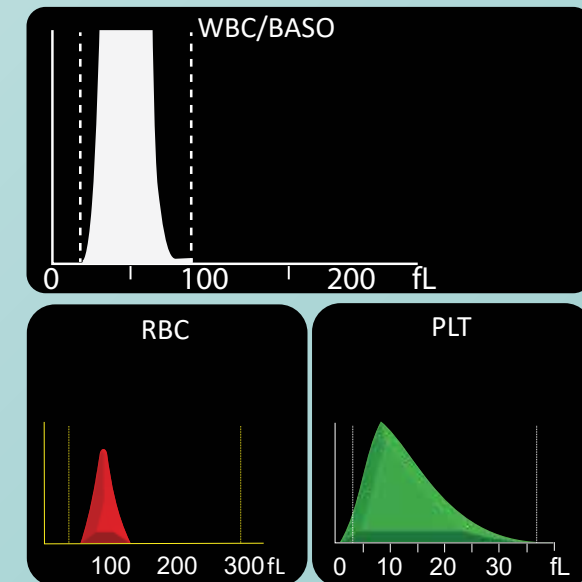


500 FILES WITH L-J GRAPH



WBC/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.



Technical Specifications

Mode Type

Whole Blood, Predilute, Capillary

Autoloader

60 Tubes; Continuous Loading with auto-mixing

31 Parameters

CBC: WBC, RBC, Hb, HCT, MCV MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PCT, PDW-SD, PDW-CV, P-LCR, P-LCC, DIFF: Neutrophils % & #, Lymphocytes % & #, Monocytes % & #, Eosinophils % & #, Basophils % & #
*ALY % & #, *LIC % & #, *NLR
*Research use only

Principle of Measurement:

RBC/PLT/WBC: Electrical Impedance
WBC DIFF: Tri-angle Laser
Flowcytometry
Hb: Cyanide Free Colorimetry
MCV: Measured
HCT: Calculated

Histograms : 3 (RBC/WBC/PLT)

Scattergrams : 3 (2D Scattergram),
1 (3D Scattergram)

QR Code Reader

For reading sample bar codes & direct input of QC values

Sample Volume

Whole Blood : 20 µL
Pre-diluted : 20 µL
Capillary : 20 µL
CBC Mode : 13 µL

Linearity Range

WBC : 0 - 300 ($\times 10^3/\mu\text{L}$)
RBC : 0.00 - 8.50 ($\times 10^6/\mu\text{L}$)
Hb : 0 - 25.0 (g/dL)
HCT : 0 - 67 (%)
PLT : 0 - 3000 ($\times 10^3/\mu\text{L}$)

Calibrator

ELite H Cal

Tri-level Controls

Erba H5 CON L, N, H
Open Vial Stability at 2-8 °C: 16 Days

Throughput

80 Tests/Hr

Quality Control

500 files with L-J graph
X-Bar Analysis

Data Storage

1,00,000 Results with Graphs

Dimension (mm)

650x550x610

Weight (Kg)

59

Reagents

ELite 580 Dil
ELite H580Lyse1
ELite H580Lyse2
ELite H580Lyse3
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



India Advantage

NO.1 IVD
COMPANY
IN INDIA

70000+
Installations



Customer Support
Least downtime



Supply Chain
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