

ELite 580

5 Part Diff Hematology Analyzer with Autoloader

Rapid Turnaround. Reliable Insights. Real Impact.



Ensures high
accuracy with
Tri-angle Laser
Flowcytometry

36

36 Parameters
Enhanced
patient care



Supports geriatric
and paediatric samples

Making Automation Affordable
for labs Everywhere

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

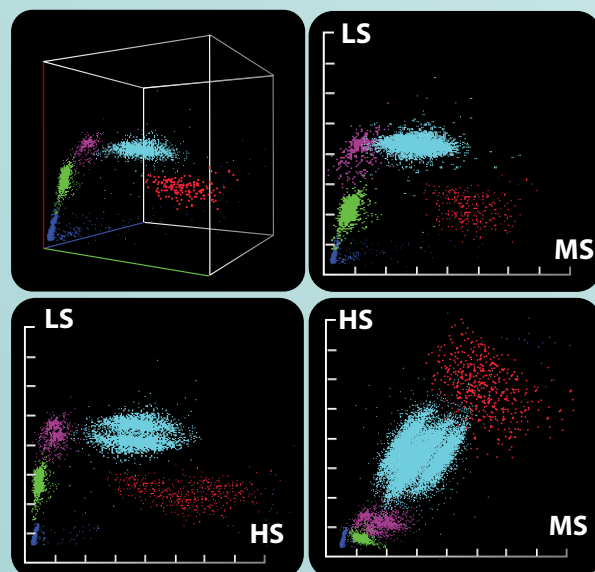
- Real time Inventory Management System with RFID and complete Traceability of consumable lots

Advanced software

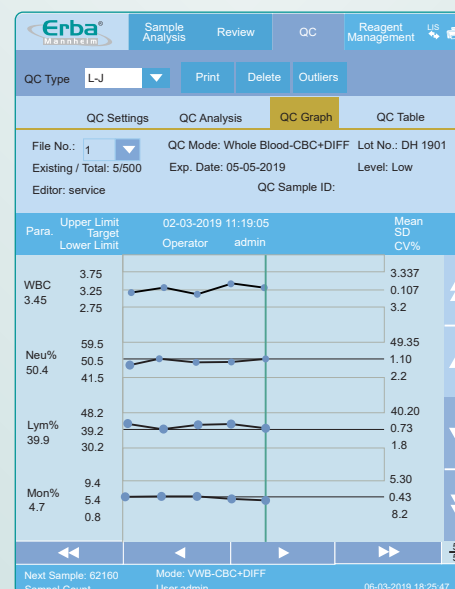
- Large storage capacity: 100,000 reports with graphs
- 4 USB ports (For connecting external devices including external printer) + 1 LAN Port (HL 7, TCP/IP; LIS connectivity)

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.

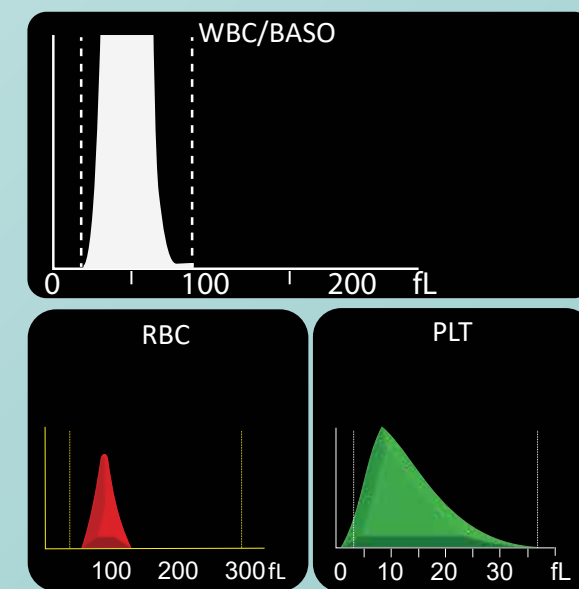


500 files with L-J Graph



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

ANALYTICAL MODES

Whole Blood, Predilute, Capillary

AUTOLOADER

60 Tubes; Continuous Loading

TOTAL PARAMETERS 36

CBC: WBC, RBC, HGB, HCT, MCV MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PCT, PDW-SD, P-LCR, P-LCC, DIFF: Neutrophils % & #, Lymphocytes % & #, Monocytes % & #, Eosinophils % & #, PDW-CV, NLR, ALY#, ALY%, LIC#, LIC%, NRBC%, NRBC#, CWBC, Mentzer Index, RDWI

PRINCIPLE OF MEASUREMENT RBC/PLT/WBC/DIFF

Electrical Impedance, DIFF: 3 Angle Laser Flow Cytometry, HGB: Cyanide Free Colorimetry, MCV: Measured, HCT: Calculated

GRAPHICS

3 (RBC/WBC/PLT), Scattergrams:
3 (2D Scattergram), 1 (3D Scattergram)

SAMPLE VOLUME

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

LINEARITY RANGE

WBC: 0 - 300 ($\times 10^3$ /µL), RBC: 0.00 - 8.50 ($\times 10^6$ /µL),
Hb: 0 - 25.0 (g/dL), HCT: 0 - 67 (%),
PLT: 0 - 3000 ($\times 10^3$ /µL)

CALIBRATOR

ELite H Cal (3mL), Open Vial Stability at 2-8°C: 7 Days

TRI-LEVEL CONTROLS

Erba H5 CON L, N, H (3mL), Open Vial Stability at 2-8°C: 14 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)

650 x 550 x 610

WEIGHT (KG)

59

REAGENTS

Erba ELite 580 Dil, Erba ELite 580 Lyse 1, Erba ELite 580 Lyse 2, Erba ELite 580 Lyse 3, Elite H Clean

INTERFACES

4 USB + 1 LAN Port

OPERATING ENVIRONMENT

15-35°C, Humidity : 30-85%

POWER REQUIREMENT

A.C.100-240V; 50/60Hz; ≤ 200 VA

Elite 580 ORDER DETAILS

PRODUCT CODE	PRODUCT NAME	DESCRIPTION
166104	Elite 580	5 Part Differential Analyzer

H-SERIES REAGENTS

PRODUCT CODE	PRODUCT NAME	PACK SIZE (ML)
121746	Elite H580 Dil	20000
121747	Elite H580 Lyse 1	3 x 500
121748	Elite H580 Lyse 2	3 x 500
121749	Elite H580 Lyse 3	3 x 1000
121939	H clean	4 x 50

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