



ELite 580

Fully Automated 5 part Hematology Analyzer



Making Automation Affordable
for Labs Everywhere

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Fully automated 5-part differential – report faster with more confidence

Effective laboratory solutions enhance workflow by allowing users to focus on the clinical aspects of testing. The ELite 580's combination of high capacity autosampler and five part differential allows users to focus on tasks that more directly help improve patient outcomes.

Manual blood film review should focus on morphology, not counting

Blood film review is a complex process and takes time to master. Adding a five part differential system to the laboratory means that valuable time at the microscope can be spent assessing morphology and other abnormalities rather than counting.

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Reliable

HIGH DEFINITION FOR USERS AND RESULTS

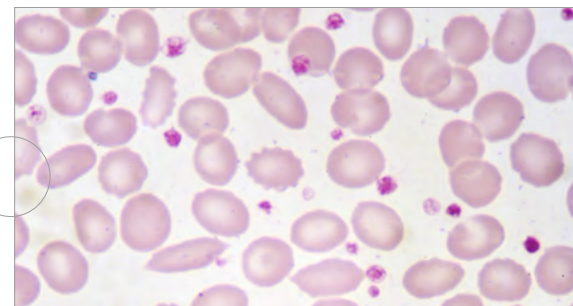
The ELite 580 features a 22 inch full HD display. The full panel of results including 3D WBC differential scatterplots can be reviewed from a single screen.



Software

DETAILED PLATELET INFORMATION

The ELite 580's P-LCR and P-LCC parameters allow users to report detailed information about the patient's platelet status.



Functionality

REDUCE PRE-ANALYTICAL VARIABLES WITH ADDM

To ensure consistent and exact dilution of the patient sample, an automated diluent dispense mode (ADDM) has been created to help reduce errors.



Efficiency

JUST 20 μ L OF ASPIRATION VOLUME

The efficient fluidics design allows the ELite 580 to aspirate only 20 μ L. This reduced sample volume required makes the system particularly suitable for analysis of pediatric samples or scarce sample.

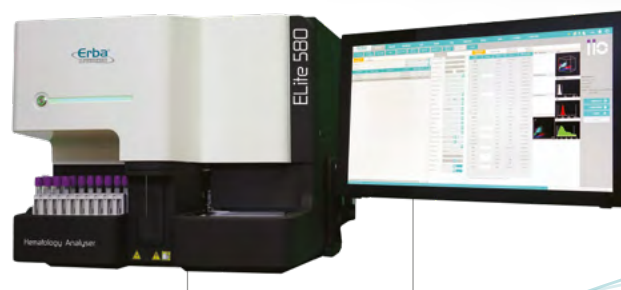
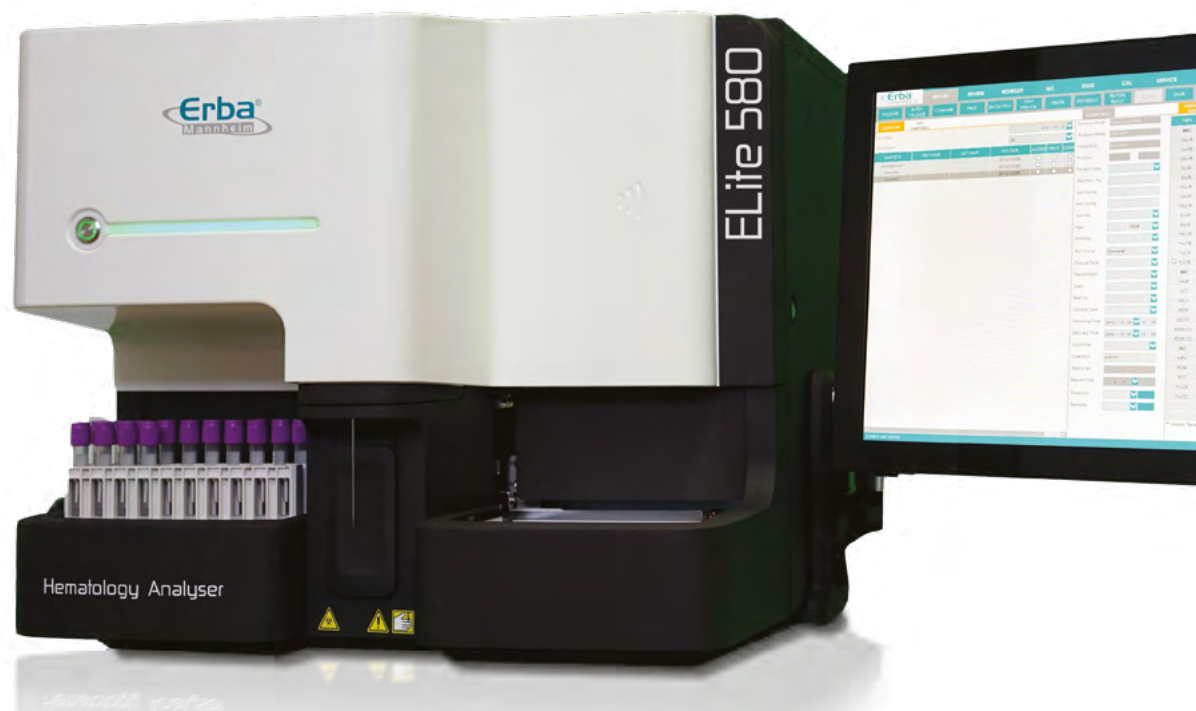


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5-Part Differential

The advantages of using a five-part differential system are clear – more comprehensive reporting of patient status on the first pass and less manual blood films. Improved differential result quality is achieved through counting thousands of blood cells in seconds and flagging for immature and atypical cell lines.

Erba Mannheim's range of systems can be paired to provide a powerful solution for the analysis of hundreds of samples per day.



ELite 580

FULLY AUTOMATED 5 PART HEMATOLOGY ANALYZER

ELite 580 – Automation every step of the way. The sample analysis process could not be simpler with the ELite 580. Load up to 60 tubes on the autosampler and return 45 min later to file the samples – analysis complete and results to the LIS. The ELite 580 is an excellent workflow upgrade for growing labs everywhere.



EASY USER INTERFACE

- 22" Full HD display
- 3D interactive image of the WBC differential scatterplot
- Full traceability via RFID inventory management system



RELIABLE ENGINEERED CONSTRUCTION

- Small footprint: 610 x 650 x 550 mm
- Simple, well engineered construction
- Status indicator
- High quality components for long life



EFFICIENT ANALYTICS

- Low aspiration volume 20 µL
- 26 reportable parameters
- Guaranteed dilution accuracy via automatic diluent dispensing
- Advanced platelet analysis (P-LCR, P-LCC, PDW-SD, PDW-CV)
- Automatic floating discriminations





TECHNICAL SPECIFICATIONS

Principles		Reportable Parameters
- Impedance method for WBC, RBC, PLT counting - Cyanide-free reagent for Hemoglobin test - Flow Cytometry (FCM), Semi-conductor Laser scatter chemical dye method, independent Basophil channel		26: WBC, LYM, LYM%, MON, MON%, NEU, NEU%, EOS, EOS%, BAS, BAS%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, PDW, MPV, PCT, P-LCR, P-LCC
Throughput		Test Mode
Up to 80 samples per hour		- CBC - CBC+DIFF
Data Storage Capacity		Communication
Up to 100,000 results including numeric and graphical informations		LAN port supports HL7 protocol
Weight (Kg)		Dimension (mm)
56		620 × 620 × 535
Data Storage		Interfaces
50,000 Results with Graphs		4 USB + 1 LAN Port
Operating Environment		Power Requirements
Temperature: 15–30 °C Humidity: 30–85 % Air Pressure: 70~106 kPa		A.C.100-240 V; ≤300VA; 50/60 Hz
Performance		
Carryover	Repeatability	Linearity
WB ≤ 0.5 %	≤ 2.0 % (4.0 ~ 15.0 × 10 ⁹ /L)	0.00–300 × 10 ⁹ /L
RBC ≤ 0.5 %	≤ 1.5 % (3.50 ~ 6.0 × 10 ¹² /L)	0.00–8.50 × 10 ¹² /L
HGB ≤ 0.5 %	≤ 1.5 % (110 ~ 180 g/L)	0–250 g/L
PLT ≤ 1.0 %	≤ 4.0 % (150 ~ 500 × 10 ⁹ /L)	0–3000 × 10 ⁹ /L Whole

ELITE 580 ORDER DETAILS

Cat No	Product Name	Description
INS00071	ELite 580	5 Part Differential

H-SERIES REAGENTS

Cat No	Product Name	Volume
HEM00019	ELite H580 Dil	20 Litres
HEM00020	ELite H580 Lyse1	500 mL
HEM00021	ELite H580 Lyse2	500 mL
HEM00022	ELite H580 Lyse3	1 Litre
HEM00023	ELite H Clean	50 mL
HEM00024	ELite H5 CON L	3 mL
HEM00025	Erba H5 CON N	3 mL
HEM00026	Erba H5 CON H	3 mL
HEM00027	ELite H CAL	3 mL
HEM00071	ELite H5 CON	3 × 3 mL (1L+1N+1H)

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Total Solutions for Clinical Diagnostics

The Devices are in compliance with the IVDR requirements of CE marking

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