Erba Mannheim

H560

Fully Automated 5 part Hematology Analyser

Making Automation Affordable
for Labs Everywhere

www.erbamannheim.com

Upgrade to a 5 part differential and report faster with more confidence

Three part differential systems are not designed to report results on abnormal patients without the need for further testing. These investigations are complex and delay the release of critical results to the requesting clinician. The H560's five part differential count allows users to report world class results faster and with more confidence.

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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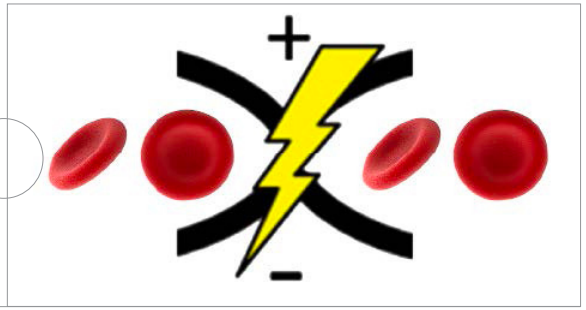
Reliable

ANTI-CLOG TECHNOLOGY

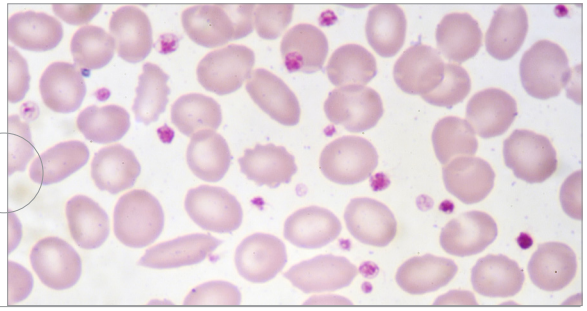
The impedance aperture is treated with a high energy pulse after each sample – reducing the risk of blockages. The H560 is able to accept sample tubes from many different manufacturers including pediatric samples.



Software

DETAILED PLATELET INFORMATION

The H560's P-LCR and P-LCC parameters allow users to report detailed information about the patient's platelet status. Six analytical processing modes mean flexibility of analysis and ensure you get the best result for your patient first time.



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 15 µL OF ASPIRATION VOLUME

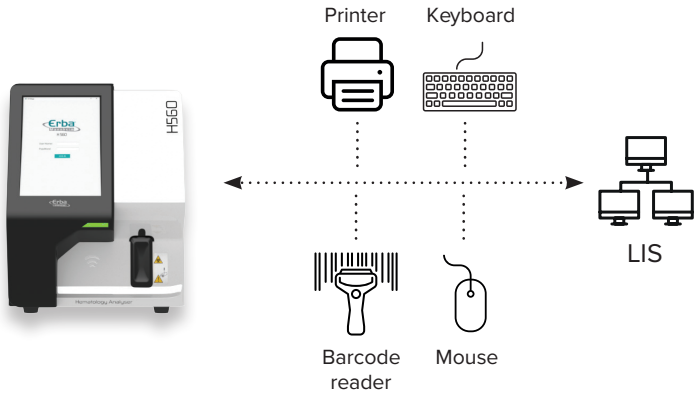
The efficient fluidics design allows the H560 to aspirate only 15 µL. This combined with the open tube sampling aspiration means a couple of drops is more than enough.

H560

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.



Scan the QR code to play the video

H560

FULLY AUTOMATED 5 PART HEMATOLOGY ANALYSER

The H560 from Erba Mannheim is a next generation fully automated 5-part differential analyser designed for ease of use and premium analytical quality. The H560 features tri-angle laser flow cell technology enabling the reporting of full 5-part differentials with only three reagents. This combined with a sample volume requirement of only 15 µL and low cost per test, make the H560 one of the most efficient systems available.

EASY USER INTERFACE

- 10.4´´ Touchscreen
- 50.000 Reports
- 4 Scatterplots (DIFF x3, BASO)
- 3 Histograms (RBC, WBC, PLT)
- 1-click analysis
- Full traceability via RFID inventory management system

RELIABLE ENGINEERED CONSTRUCTION

- Small footprint - 364x498x431 mm
- Simple, well engineered construction
- Status indicator
- High quality components for long life
- Prevent build-up with anti-clog technology

EFFICIENT ANALYTICS

- Low aspiration volume 15 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

Analytical Modes	Graphics
Manual, Predilute, Capillary	• 3 Histograms (WBC/RBC/PLT) • 4 Scatterplots (DIFF x3, BAS)

Reportable Parameters	Sample Volume
26: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, ROW-CV, ROW-SD, PLT, MPV, PDWCV, POW-SD, PCT, P-LCR, P-LCC, Neu%, Lym%, Mon%, Eos%, Bas%, Neu#, Lym#, Mon#, Eos#, Bas#	• Whole Blood : 15 µL • CBC Only : 11 µL • Pre-diluted : 20 µL • Capillary : 20 µL

Principle of measurement	Linearity Range
• RBC/PLT/WBC: Electrical Impedance • DIFF: 3 Angle Laser Flow Cytometry • HGB: Cyanide Free Colorimetry • MCV: Measured • HCT: Calculated	• WBC (x 1Qil9/L): 0 - 300 • RBC (x 1Qil l2/L): 0.00 - 8.50 • Hb (g/dL) : 0 - 25.0 • HCT(%): 0 - 67 • PLT (x 1Qil9/L) : 0 - 3000

Calibrator	Tri-level Controls
• ELite H Cal (3 mL) • Open Vial Stability at 2-8°C: 7 Days	• ELite H5 CON L, N, H (3 mL) • Open Vial Stability at 2-8°C: 14 Days

Throughput	Weight (Kg)	QC (L-J, X-BAR)	Dimension (wxhxd)
60 Tests/Hr	26.5	Yes	364 x 498 x 431 mm

Data Storage	Interfaces
50,000 Results with Graphs	4 USB + 1 LAN Port

Reagents	Operating Environment
• Erba Dil (20 L) • Erba H560 Lyse 1 (200 mL) • Erba H560 Lyse 2 (500 mL) • Elite H Clean (50 mL)	Temperature: 15-30°C Atmospheric pressure: 70kPa~106kPa

Power Requirements
A.C.100-240V;-50/60Hz; ≤200VA

H560 ORDER DETAILS

Cat No	Product Name	Product Name
INS00078	H560	5 Part Differential

H-SERIES REAGENTS

Cat No	Product Name	Volume
HEM00030	Erba H560 Dil	20 Litres
HEM00031	Erba H560 Lyse1	200 mL
HEM00032	Erba H560 Lyse2	500 mL
HEM00023	ELite H Clean	50 mL
HEM00024	Erba 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

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ISO 13485 Quality Management for Medical Devices CERTIFIED

CE 2797

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