

TECHNICAL SPECIFICATIONS

ANALYTICAL MODES

Manual, Predilute, Capillary

TOTAL PARAMETERS

33: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW-CV, PDW-SD, PCT, P-LCR, P-LCC, Neu%, Lym%, Mon%, Eos%, Bas%, Neu#, Lym#, Mon#, Eos#, Bas#, ALY%*, LIC%*, ALY#*, LIC#*, cWBC#*, NRBC%*, NRBC#*

PRINCIPLE OF MEASUREMENT

RBC/PLT/WBC: Electrical Impedance
DIFF: 3 Angle Laser Flow Cytometry
HGB: Cyanide Free Colorimetry
MCV: Measured
HCT: Calculated

GRAPHICS

3 Histograms (WBC/RBC/PLT)
4 Scatterplots (DIFF x3, BASO)

SAMPLE VOLUME

Whole Blood : 15 µL
CBC Only : 11 µL
Pre-diluted : 20 µL
Capillary : 20 µL

LINEARITY RANGE

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

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

60 Tests/Hr

QC (L-J, X-BAR)

Yes

DATA STORAGE

50.000 Results with Graphs

DIMENSION (mm)

364 x 498 x 431

WEIGHT (Kg)

26.5

REAGENTS

Erba Dil (20L)
ErbaLyse 1 (200mL)
Erba Lyse 2 (500mL)
Elite H Clean (50mL)

INTERFACES

4 USB + 1 LAN Port

OPERATING ENVIRONMENT

15-30°C
Atmospheric pressure
70kPa-106kPa

POWER REQUIREMENT

A.C.100-240V; 50/60 Hz;
≤200VA

* Research use only



H560 ORDER DETAILS

CAT. NO.	REG. NO.	PRODUCT NAME	DESCRIPTION
INS00078	50005216	H560	5 Part Differential

H-SERIES REAGENTS

CAT. NO.	REG. NO.	PRODUCT NAME	VOLUME
HEM00030	50005221	Erba H560 Diluent	20 Litres
HEM00031	50005222	Erba H560 Lyse1	200 mL
HEM00032	50005223	Erba H560 Lyse2	500 mL
HEM00023	50004878	ELite H Clean	50 mL
HEM00024	10020492	ELite H5 CON Low	3 mL
HEM00025	10020493	ELite H5 CON Normal	3 mL
HEM00026	10020494	ELite H5 CON High	3 mL
HEM00027	10020492	ELite H CAL	3 mL

EASY.
EFFICIENT.
RELIABLE.

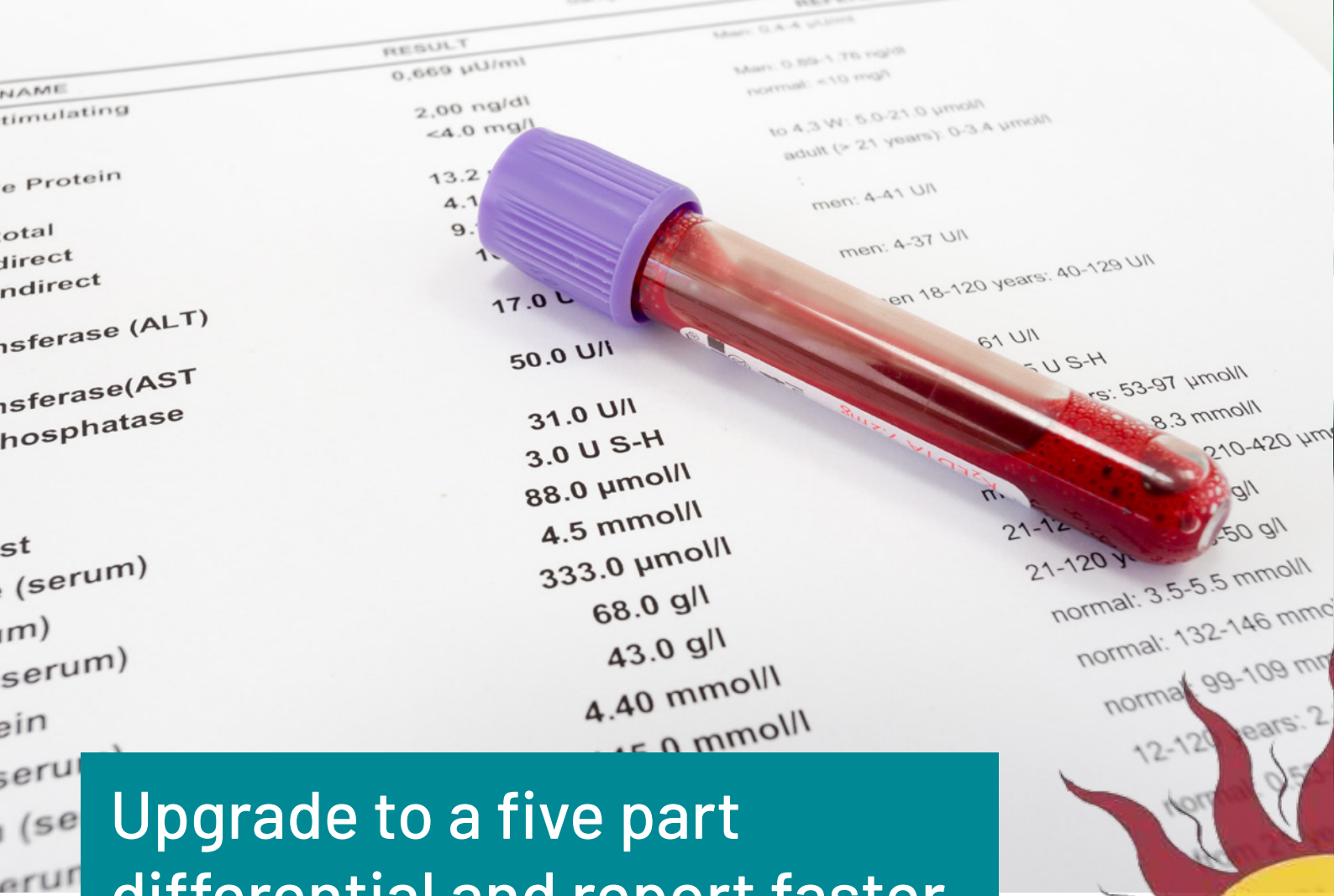


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TOTAL SOLUTIONS FOR CLINICAL DIAGNOSTICS

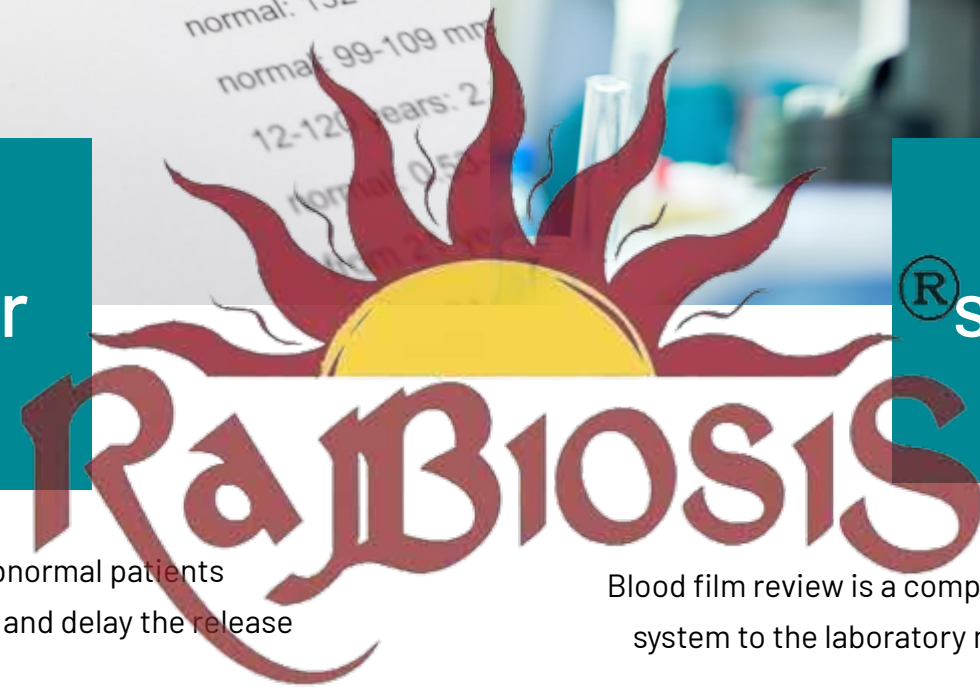
H560

FULLY AUTOMATED 5 PART
HEMATOLOGY ANALYSER



Upgrade to a five part differential and report faster with more confidence.

Manual blood film review[®] should focus on morphology, not counting.



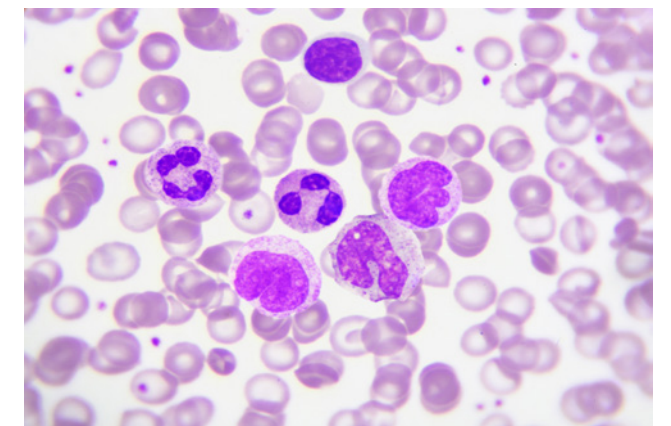
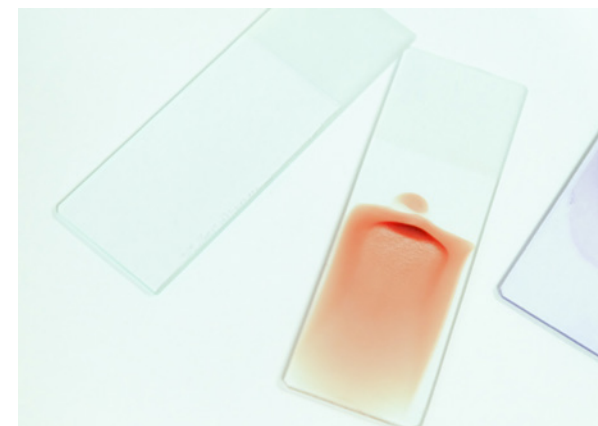
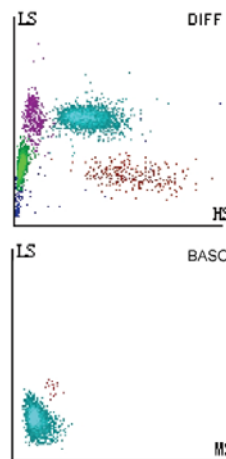
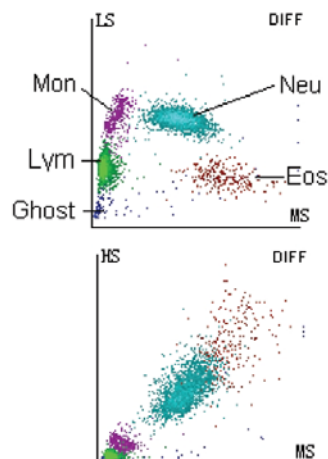
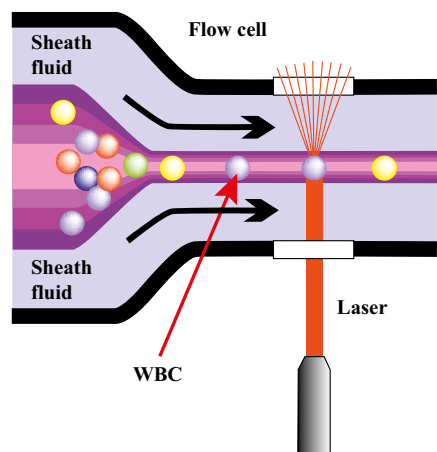
Three part differential systems are not designed to report results on abnormal patients without the need for further testing. These investigations are complex and delay the release of critical results to the requesting clinician.

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.

The H560's five part differential count allows users to report world class results faster and with more confidence.

With the H560 users can go beyond the normal 5 part differential with added information from the advanced research parameters - ALY%, LIC%, ALY#, LIC#, cWBC#, NRBC%, NRBC#.

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H560 is ahead of the rest
with class leading design
and technologies.

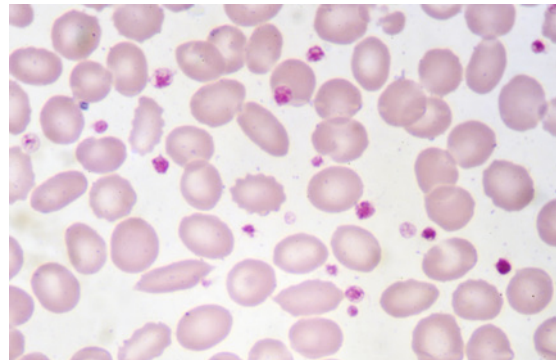
Anti-clog technology

The impedance aperture is treated with a high energy pulse after each sample – reducing the risk of blockages



Detailed platelet information

The H560's PLCR and PLCC parameters allow users to report detailed information about the patient's platelet status



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

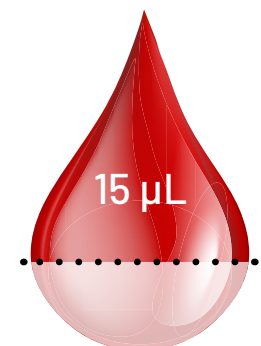
Wide range of tubes

The H560 is able to accept sample tubes from many different manufacturers including pediatric samples.



Just 15µL 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.



Multiple analytical modes

Six analytical processing modes mean flexibility of analysis and ensure you get the best result for your patient first time.

Mode & ID	
☒ Venous Whole Blood (VWB)	☐ CBC
☐ Capillary Whole Blood (CWB)	☒ CBC+DIFF
☐ Predilute (PD)	
Sample ID 1	
☐ Bidirectional LIS/HIS Communication	

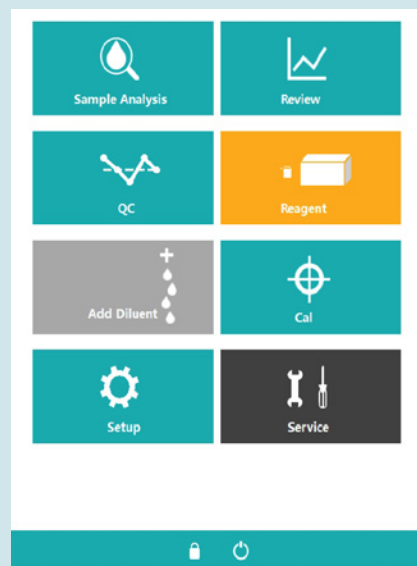
When less is better.
Much better.

H560 uses less than a drop of blood



EASY USER INTERFACE

- 10.4" Touchscreen
- 50,000 Reports
- 4 Scatterplots (DIFF x3, BASO)
- 3 Histograms (RBC, WBC, PLT)
- 1-click analysis



REAGENT REGISTRATION

- Full traceability via RFID inventory management system



RELIABLE ENGINEERED CONSTRUCTION



- Small footprint – 364 x 498 mm
- Status indicator
- Simple, well engineered construction
- High quality components for long life

ANTI-CLOG TECHNOLOGY

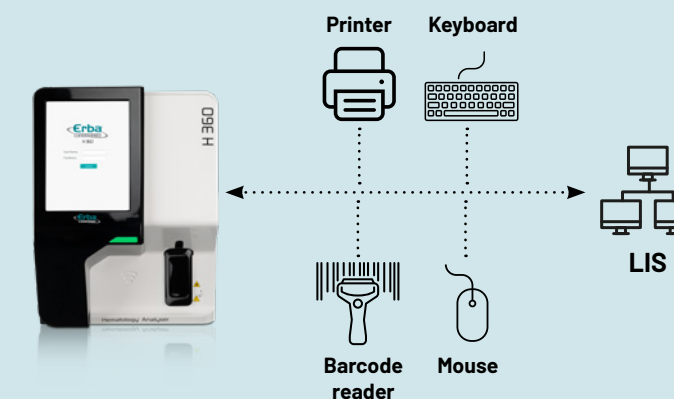
- Prevent build-up with anti-clog technology



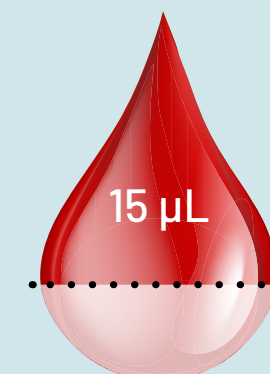
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EFFICIENT EXTERNAL CONNECTIONS



ANALYTICS



- Low aspiration volume 15 µL
- 33 parameters
- Guaranteed dilution accuracy via automatic diluent dispensing
- Advanced platelet analysis (P-LCR, P-LCC, PDW-SD, PDW-CV)
- Automatic floating discriminations

DESIGN

- 3 Angle flow cytometry for high quality WBC differential results

