



Reliable

Hematology Screening

Convenient and Efficient

The One You

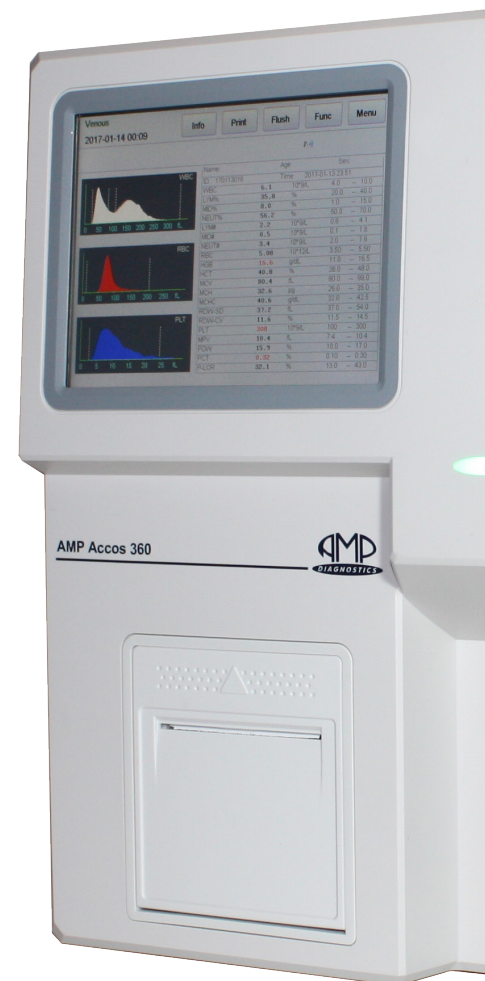
When it Comes to

Blood Cell Count

AMP Accos 360 is a smart and compact fully automated 3-part differential hematology analyzer designed to support routine laboratory procedures reliably and efficiently thus enabling laboratory specialists to focus their attention to enhanced evaluation of pathologic samples.

The simple operation concept, a throughput of 60 samples per hour, the accurate analytical performance and the outstanding system reliability are only a few of the attractive features making AMP Accos 360 an indispensable assistant.

Low reagent consumption and minimized maintenance requirements are making automated 3-part differentiation affordable for virtually every laboratory.



Can Count On

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Attractive Performance

- Only 10 μ L of sample required
- Efficient throughput of 60 samples / h
- 20 parameters reported incl. 3 histograms
- up to 100.000 test results in memory

User Convenience

- Only one key-stroke required to start sample measurement
- Efficient cleaning procedure at the end of each sample cycle
- Logically structured software supporting simple touch screen operation
- No other maintenance tasks than regular cleaning

Cost Efficiency

- Only two reagents connected to analyzer (diluent and lyse)
- Low reagent volume per test
- Reliable analyzer components ensure minimized demand for maintenance

AMP Accos 360

Fully Automated 3-part Differential Hematology Analyzer

Parameters

• WBC	White Blood Cells (leukocytes)
• LYM	Lymphocytes (# and %)
• MID	Mid Sized Cells (# and %)
• GRAN	Granulocytes (# and %)
• RBC	Red Blood Cells (erythrocytes)
• HGB	Hemoglobin
• HCT	Hematocrit
• MCV	Mean Corpuscular Volume
• MCH	Mean Cell Hemoglobin
• MCHC	Mean Cell Hemoglobin Concentration
• RDW-CV	Red Cell Distribution Width (cv)
• RDW-SD	Red Cell Distribution Width (sd)
• PLT	Platelets (thrombocytes)
• MPV	Mean Platelet Volume
• PDW	Platelet Distribution Width
• PCT	Plateletcrit
• P_LCR	Large Platelet Percentage
• 3 histograms (WBC, RBC, PLT)	

Measuring Principle and Calibration

Principle:	Impedance counting (2 channels) Apertures: 100 µm (RBC) resp. 70 µm (WBC) HGB: photometric detection (cyanide-free lyse)
Calibration:	Manual or auto-calibration
Sample input:	Manual, one-touch sample entry
Sample volume:	10 µL venous or capillary blood 20 µL predilute mode
Sample throughput:	60 samples / h

Performance Specifications

	Linear range	Precision	Carry Over	
WBC	0.0 – 99.9 x 10 ³ /µL	4.0 – 15.0 x 10 ³ /µL	cv ≤ 2.0%	≤ 0.5%
RBC	0.00 – 9.99 x 10 ⁶ /µL	3.50 – 6.50 x 10 ⁶ /µL	cv ≤ 1.5%	≤ 0.5%
HGB	0 – 30.0 g/dL	10.0 – 18.0 g/dL	cv ≤ 1.5%	≤ 0.5%
PLT	0 – 999 x 10 ³ /µL	100 – 500 x 10 ³ /µL	cv ≤ 4.0%	≤ 0.5%
HCT		35 – 50 %	cv ≤ 2.0%	
MCV		70 – 110 fL	cv ≤ 0.4%	

Dedicated Reagents

AMP HemoDil A 3 (20 L)
AMP HemoLyse A 3 (500 mL)

On Demand:

AMP HemoClean PB (50 mL) for regular cleaning
AMP HemoClean EZ (50 mL) for daily shutdown

Control Blood:

AMP HemoTrol 16

User Interface and Data Management

Display:	8" color LCD touch screen
Operation elements:	Touch screen, start button Optional: External keyboard, mouse, barcode scanner
Languages:	English, Spanish, Portuguese, French, Italian
Print-out:	Built-in thermal printer or external printer (optional)
Interfaces:	4 USB ports, RSR232, VGA monitor
Internal memory:	100.000 sample results incl. histograms and patient data
Reference ranges:	General, male, female, pediatric, newborn and 3 user-definable for abnormal results flagging
Quality Control:	9 QC files (3 each for low, normal and high level control), 31 data per file, L-J graphs
Alarm System:	Enhanced alarm functions for efficient system monitoring, customized functions

System Specifications

Dimensions:	W 300 x D 418 x H 433 mm
Weight:	19 kg
Power supply:	100 - 240 VAC, 50/60 Hz
Environment:	18° to 35°C, rel. humidity ≤ 90 %

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