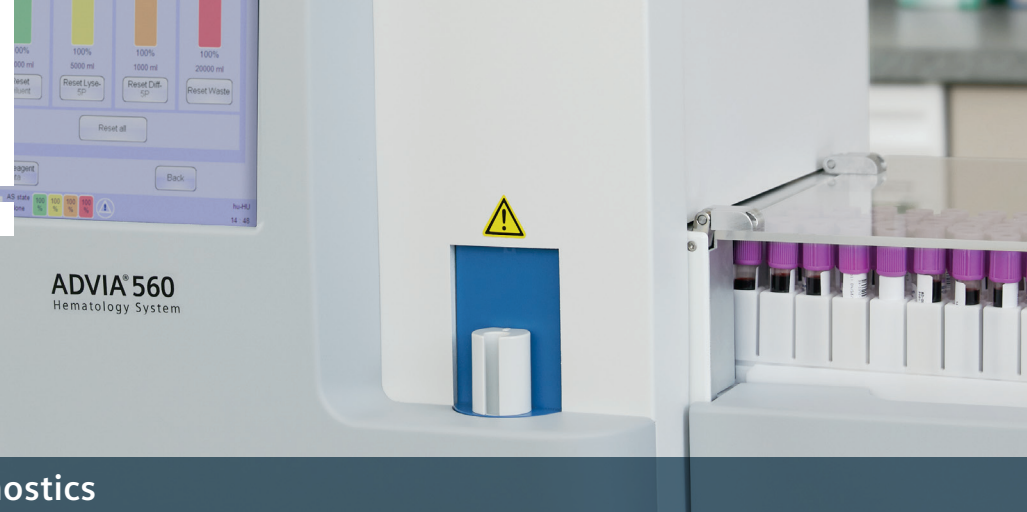




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ADVIA® 560 and 560 AL Hematology Systems

Technical Specifications

Product Specifications

Technology/Parameters	Laser light scatter technology for 5-part WBC differential; impedance method for CBC: WBC (80 µm), RBC, and PLT (70 µm); light absorbance for HGB measurement/26 parameters, including 5-part differential with two histograms and scattergrams for RBC and PLT: BASO, WBC, LYM, MON, NEU, EOS, BAS, LYM%, MON%, NEU%, EOS%, BAS%, RBC, HCT, MCV, RDW-SD*, RDW-CV, HGB, MCH, MCHC, PLT, PCT*, MPV, PDW-SD*, PDW-CV*, P-LCC*, P-LCR*
Sample stability	Sample stability is characterized by the absolute and percent difference from the baseline values measured 30 minutes after venipuncture for: WBC, NEU%, NEU, LYM%, LYM, MON%, MON, EOS%, EOS, BAS%, BAS, RBC, RDW, and PLT. For MPV, the baseline is 2 hours after venipuncture. The expected stability is 7 hours from venipuncture.
Sample modes/volumes	Manual closed tube/110 µL; manual open tube/110 µL; optional autoloader/110 µL
Throughput	60 tests/hour

Data Management

Database	100,000-patient storage capacity
Quality control	24 QC lots, separate QC database, Levy-Jennings graphs, bar-code option to load QC target values, and QR code reading for reference data input
Multiuser mode	Multilevel user modes with individual identification (username, password)

Workstation

Printout	Optional external, Microsoft Windows-compatible printers
Optional external keyboard	PS/2 or USB
Handheld bar-code reader	Standard
User interface	600 x 800 color graphics, 10.4-inch LCD touchscreen
Interfacing capabilities	RS232, USB, Ethernet; multilingual user interface

Physical Requirements/Room Environment

Electrical power	Dedicated line, voltage selectable for single phase, 100 VAC (6 amps)–240 VAC (3 amps)
Frequency	47–63 Hz
Temperature	Operating: 15–30°C
Relative humidity	10–80% (noncondensing)
Waste disposal	10 L or 20 L tracked waste container or direct waste feed into main drainage. Treat as potential biohazard.

Weight and Dimensions

Weight	35 kg/77 lb
Dimensions	52 (h) x 41 (w) x 49 (d) cm; 20 (h) x 16 (w) x 19 (d) in

Additional Specifications

Three cyanide-free reagents	Diluent, Lyse, and Cleaner
User languages	Croatian, English, French, Greek, German, Hungarian, Italian, Polish, Portuguese (Brazil), Russian, Spanish (Argentina), Turkish

Autoloader (optional)

Sample capacity	100 tubes: 10 racks with 10 sample tubes per rack
Tubes accepted	Monovette, Vacutainer, Vacuette
Bar-code reader	Built-in
Mixer	Built-in
Cap recognition	Only capped tubes are mixed and processed

ADVIA 560 and 560 AL Hematology Systems

Accuracy					
Parameter	Normal Mode Criteria		Evaluation Levels		Unit
	Absolute	Percent (%)	Range Low	Range High	
WBC	0.30	6.0	0	100	10 ³ /μL
NEU%	3	10.0	0	100	%
LYM%	3	10.0	0	100	%
MON%	3	10.0	0	40	%
EOS%	1.5	10.0	0	30	%
BAS%	0.5	40.0	0	5	%
RBC	0.15	6.0	0	8	10 ⁶ /μL
HGB	0.3	6.0	1	25	g/dL
MCV	1	6.0	50	120	fL
RDWcv	0.5	6.0	8	20	%
PLT	15	8.0	0	2000	10 ³ /μL
MPV	0.8	10.0	5	20	fL

Precision*					
Parameter	Normal Mode Repeatability		Normal Mode Reproducibility/Precision		Unit
	SD	%CV	SD	%CV	
WBC	<0.18	<2.7	<0.20	<3.4	10 ³ /μL
NEU%	<3.50		<3.50		%
LYM%	<3.10		<3.10		%
MON%	<2.00		<2.00		%
EOS%	<2.00		<2.00		%
BAS%	<0.50		<0.50		%
RBC	<0.11	<1.7	<0.13	<2.0	10 ⁶ /μL
HGB	<0.20	<2.0	<0.22	<2.4	g/dL
MCV	<1.0	<1.7	<1.20	<2.0	fL
RDWcv	<0.4	<2.5	<0.45	<3.0	%
PLT	<23	<6.0	<27	<7.0	10 ³ /μL
MPV	<0.45	<8.7	<0.50	<10.0	fL

*System repeatability and reproducibility are defined as a standard deviation (SD) or as a coefficient of variation (CV), whichever is greater. Specifications are provided for primary and derived parameters only.

Normal Mode Linearity						
Parameter	Coefficient of Determination (R ²)	Nonlinearity Absolute Error	Nonlinearity Relative Error	Linearity Range Low	Linearity Range High	Unit
WBC	>0.95	<0.80	<3.0%	0.20	100.0	10 ³ /μL
RBC	>0.95	<0.20	<3.0%	0.36	7.19	10 ⁶ /μL
HGB	>0.95	<0.27	<3.0%	1.10	22.2	g/dL
PLT	>0.95	<35.0	<3.0%	15.0	1000	10 ³ /μL

Carryover		
Parameter	Allowable Carryover (%)	Unit
WBC	<1.0	10 ³ /μL
RBC	<0.5	10 ⁶ /μL
HGB	<0.8	g/dL
PLT	<1.0	10 ³ /μL

Learn more about the ADVIA 560 System or the entire family of scalable Siemens hematology systems.

Visit www.siemens.com/hematology, or contact your local Siemens sales representative.

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Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

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