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Scalable Hematology Systems: Offering the Right Fit for Every Laboratory

ADVIA 360, ADVIA 560, and ADVIA 560 AL Hematology Systems

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Answers for life.

Your Laboratory Requirements are Evolving

The Siemens Family of Hematology Analyzers: Scalable Solutions that Evolve with Your Needs

While the driving trend in today's clinical testing environment is consolidation, not every laboratory is affected by this paradigm shift. With major swings in testing volumes from laboratory to laboratory and network to network, one model does not fit all. Such diversity in laboratory workload builds a demand for diversity in analyzers—and scalable options are paramount.

Scalable Hematology Testing Options to Meet Your Laboratory's Unique Challenges

Siemens now offers feature-rich, lower-capacity hematology testing systems with the flexibility to scale up to meet increases in testing demands. No matter what your capacity requirements, Siemens offers the system to fit your needs. With the ADVIA® 360 System, ADVIA 560 System, and ADVIA 560 AL System, Siemens offers state-of-the-art hematology testing capabilities for small to mid-sized laboratories—or as back-up for systems in your main laboratory.

The ADVIA 360, ADVIA 560, and ADVIA 560 AL Hematology Systems

Three options to fit your workflow needs and budget

The low- and mid-volume family of ADVIA systems offers cost-efficient solutions for various hematology testing volumes and environments. The systems help optimize and manage workflow through convenient features, including the choice of open- or closed-tube sampling, and customizable result printing. Automatic anti-clogging and cleaning procedures are employed after every fifteenth sample to ensure reliability of results. Along with automated maintenance, this reduces manual procedures and biohazard exposure.

Fast, high-quality CBC testing in any laboratory environment

Fast, reliable, and flexible, these systems can run up to 60 samples per hour. The systems have been engineered for safety and ease-of-operation, and deliver a wealth of user benefits, including:

Intuitive hardware features for accurate and rapid results

- Cap-piercing function for accurate sampling and reduced biohazard risk
- Easy-to-operate color touchscreen with intuitive icon-based software
- Choice of manual or automatic calibration procedures
- Handheld bar-code reader for easy entry of patient ID and control information
- Result printing does not delay tests in progress

Intuitive software features and customizable options

- Multilingual operating menu enables usability among diverse staff
- Bidirectional LIS communication facilitates easy patient data transfer between laboratories and minimizes paper-based work lists
- Flexible and efficient interface enables uploading reference data via USB and QR codes
- Customizable printing options include tabular reports
- Built-in diagnostic flagging system automatically alerts operator of abnormal results



ADVIA 360 Hematology System



ADVIA 560 Hematology System



ADVIA 560 AL Hematology System



ADVIA 360 Hematology System

Compact footprint and remarkable accuracy in a cost-efficient system

The ADVIA 360 System allows smaller laboratories to efficiently generate reliable and accurate results. With a compact footprint, the ADVIA 360 System conserves precious benchtop space.

- Runs up to 60 samples per hour
- Processes aspiration volumes as low as 100 μL
- Facilitates efficient manual sampling of both open and closed tubes
- Measures 22 parameters, including a 3-part white blood cell differential*
- Provides storage capacity of 10,000 results
- Streamlines result reporting via an integrated ticket printer

*Not all parameters are available in the U.S.



ADVIA 560 and 560 AL Hematology Systems

Maximum output with minimal user intervention

The ADVIA 560 System can serve as the primary hematology analyzer in small to mid-sized laboratories, or as a backup for the ADVIA 2120i System in larger laboratories. The ADVIA 560 AL System offers automatic sampling with an optional autoloader that can be added to the system at any time to adapt to your ever-evolving needs.

Optimal performance and adaptability

The ADVIA 560 System offers the same convenience and safety features of the ADVIA 360 System, with the following capabilities:

- Runs up to 60 samples per hour
- Processes aspiration volumes as low as 110 μL
- Facilitates efficient manual sampling of both open and closed tubes
- Measures 26 parameters and employs laser-based optical measurement to provide a 5-part white blood cell differential*
- Provides storage capacity of up to 100,000 results
- Aids in interpreting disease-state information with two scattergrams and two histograms per result

ADVIA 560 AL System with Autoloader

A true "walk-away" system

For even greater workflow efficiency, the ADVIA 560 AL System streamlines automated sampling. The autoloader simply plugs into the side of the system and provides even more convenient features, including:

- 100 primary sample tube capacity (10 racks of 10 sample tubes each)
- Ability to accept a variety of tubes
- Onboard mixing system and cap-recognition sensor to ensure that only cap piercable tubes are mixed and processed
- Integrated bar-code reader for positive sample ID
- Flexibility to add the autoloader to any ADVIA 560 System at any time

*Not all parameters are available in the U.S.



- HemaPrep® Automated Blood Smearing System offers simple and consistent creation of blood films
- Hematek® 3000 System standardizes semi-automated slide staining
- ADVIA 360 System processes up to 60 CBCs and 3-part differentials per hour
- ADVIA 560 System processes up to 60 CBCs and 5-part differentials per hour
- ADVIA 560 AL System automates processing of CBCs and 5-part differentials
- CellaVision® Image Capture System streamlines the process of finding, focusing, and transmitting digital cell images
- CellaVision DM1200 Digital Microscopy System preclassifies cells and offers a review rate of up to 20 slides per hour
- CellaVision DM9600 Digital Microscopy System preclassifies cells and offers a review rate of up to 35 slides per hour
- ADVIA 2120i System automates the processing of up to 120 CBC/Diff samples per hour
- ADVIA Autoslide System streamlines automated, reflexive, slide-making and staining
- Aptio™ Automation enables multi-disciplinary connectivity, including hematology and hemostasis

Siemens scalable hematology systems offer the right fit for you

The Siemens family of hematology systems offers a systematic, end-to-end approach specifically designed to adapt to your changing needs. Our scalable system portfolio enables laboratories of all sizes to benefit from reliable, easy-to-use, and cost-efficient hematology solutions. From manual staining to fully automated slide creation, staining and analysis, we have a solution to meet your needs. Our broad portfolio is adaptable enough to support even the largest laboratory, offering track-based automation and multidisciplinary connectivity, with integrated chemistry, immunoassay, hemostasis, and hematology testing systems.



Siemens Range of Hematology Systems	STAT Labs	Satellite Labs	Low Workload	Medium Workload	High Workload	Core Automated Lab	Backup Systems
HemaPrep Device	•	•	•	•			•
Hematek 3000 System	•	•	•	•			•
AD VIA 360 System	•	•	•				•
AD VIA 560 System		•	•				•
AD VIA 560 AL System				•			•
CellaVision Image Capture System*		•					
CellaVision DM1200 System			•	•			
CellaVision DM9600 System					•	•	
AD VIA 2120i System					•	•	
AD VIA Autoslide					•	•	
Aptio Automation						•	

With Siemens as your primary diagnostic equipment partner, you enjoy a broad range of benefits including:

- Ease of ordering to reduce accounting and procurement hassles
- Convenient and comprehensive training and education to enhance productivity
- Industry-leading Siemens service and support to minimize unnecessary downtime

Learn more about the entire family of scalable Siemens hematology systems.

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

*Not available for sale in the U.S. Product availability may vary from country to country and is subject to varying regulatory requirements.

NAME OF PRODUCT	ADVIA 560 Hematology System
Name	ADVIA 560 Hematology System
SMN	11170842
AKL	AKL 20205220042
Date of Expiry	
BRAND / MANUFACTURER	Siemens Healthcare Diagnostics Inc.
MODEL / TYPE	560
COUNTRY OF ORIGIN	Hungary
FACTORY OF ORIGIN	Hungary
OUTSOURCE EXTERNAL MANUFACTURE (OEM)	Diatron MI PLC
PRODUCT'S CERTIFICATION	
FDA Clearance	Yes
CE Mark (MDD)	Yes
Certificate	TUV IEC
Certificate	ISO 13485:2004
TECHNICAL SPECIFICATIONS	
CLIA Classification	Automated Hematology Analyzer
Configuration	
Intended area of use	Central lab and Emergency Lab
Automated/semiautomated	Automated
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*
Measurement	
Red cell technology	Impedance
White cell technology	- Volumetric impedance change for WBC, RBC, PLT. - Light scattering baso measurement. - Light scattering 4-diff measurement LYM, MON, NEU, EOS. - Spectrophotometry for HGB.
Platelet technology	Impedance
Operation	
Sampling mode - manual closed	Yes
Sampling mode - manual open	Yes
Sampling mode - automatic	Yes
Minimum specimen volume (aspiration volume) open/Closed/Sample dead volume closed	100µL 500µL (approximate)
Flags	- Pathological (diagnostic) flags. - Lab limits (normal ranges). - Reagents alert (3 measurement pre-alert online reagent replacement). - Instrumental alerts, internal buffer for reagents.

Test menu	- 26 Parameters: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, MPV, BAS#, BAS%, LYM#, LYM%, MON#, MON%, NEU#, NEU%, EOS#, EOS%, RDW-SD*, RDW-CV, PCT*, PDW-SD*, PDW-CV*, P-LCC*, P-LCR*
Linearity: WBC count/RBC count	- WBC 0.02-100.0 x 103/ μ L - RBC 0.36-7.19 x 106/ μ L
Linearity: Hemoglobin/Platelet	- HGB 1.0-22.2 g/dL - PLT 15.0-1000 x 103/ μ L
Linearity: MCV (fL) or Hct (%)	50-120 (MCV)
Precision: WBC count/RBC count	- WBC: <3.4% - RBC: <=2.0%
Precision: Hemoglobin/Platelet	- HGB: <=2.4% - PLT: <=7.0%
Precision: MCV (fL) or Hct (%)	- MCV: <=2.0%
Interfering substances:WBC	>5 NRBCs/100 WBCs, PLT clumps/large PLTs
Interfering substances:RBC	WBC count >75.0 x 103/ μ L
Interfering substances:MCV or Hct	WBC count >75.0 x 103/ μ L
Interfering substances:Platelet	PLT clumps/large PLTs
Interfering substances:Hemoglobin	WBC count >75.0 x 103/ μ L, lipids >280 mg/dL
Interfering substances:differential	> 5 NRBCs/100 WBCs, PLT clumps/large PLTs
Quality control material	Controls -L,M,H and Calibrator
Sample Handling	
Types of sample (body fluids/whole blood)	Whole blood
Microsample capability	Pending
Barcode identification	Yes
Reagent Handling	
Reagent recognition	Yes
Reagents onboard	All except Diluent
System Fluid	
Cleaning and rinsing	Yes
Throughput	
CBC / CBC Diff / CBC Diff retics	Up to 60/60//60
Software	
User Interface & Connectivity	600 x 800 color graphics, 10.4-inch LCD touchscreen
Print output	Optional external, Microsoft Windows-compatible printers
Host /middleware connectivity	RS232, USB, Ethernet, multilingual user interface
QC program	24 QC lots, Levey-Jennings graphs, bar-code option to load QC target values, and QR code-reading for reference data input
Data storage	Database: 100,000-patient storage capacity
Physical	
Dimensions (w x d x h)	410mm (W) x 490mm (D) x 520mm(H)
Weight	35 kg / 77 lb
Autoloader	No (Autoloader can be ordered partially)
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 aremixed and processed