

ADVIA 2120i Hematology System Technical Specifications



Parameters

CBC Results	WBC, RBC, HB; HCT, MCV, MCH, MCHC, CHCM, RDW, HDW, CH, CHDW, PLT
Differential Results	(Absolute and %) NEUT, LYMPH, MONO, EOS, BASO, LUC (Large Unstained Cells)
Platelet Results	PLT, MPV, PDW, PCT
Reticulocyte Results	Absolute and % RETIC, MCVr, CHCMr, RDWr,** HDWr,** CHr, CHDWr**
CSF Assay Results	(Optional)

Morphology Results (User Definable)

WBC	Left Shift, Atypical Lymph, Blasts, Immature Granulocytes, Myeloperoxidase Deficiency
RBC and PLT	NRBC, ANISO, MICRO, MACRO, HC VAR, HYPO, HYPER, RBC Fragments, RBC Ghosts, Platelet Clumps, Large Platelets

Test Selectivity/Throughput

CBC	120 samples/hr
CBC/RETIC	74 samples/hr
CBC/DIFF	120 samples/hr
RETIC	74 samples/hr
CBC/DIFF/RETIC	74 samples/hr

Sample Modes/Volumes

Automatic Closed Tube	175 µL
Manual Closed Tube	175 µL
Manual Open Tube	175 µL

Weight and Dimensions

Analytical Module with Autosampler	Weight: 425 lbs, 193 kg 33.8 (h) x 55.5 (w) x 26.8 (d) in, 86 (h) x 141 (w) x 68 (d) cm
Analytical Module without Autosampler	Weight: 360 lbs, 163 kg 33.8 (h) x 31.9 (w) x 26.8 (d) in, 86 (h) x 81 (w) x 68 (d) cm

Performance Specifications

Linear ranges

WBC	0.02-400 x 10 ³ /µL
RBC	0.0-7.0 x 10 ⁶ /µL
PLT	5.0-3500 x 10 ³ /µL
HB	0.0-22.5 g/dL
RETIC	0.2-24.5%

Precision

Parameter	Mean	SD	CV
WBC	7.5	0.2	2.7
RBC	5.0	0.06	1.2
HB	15.0	0.14	0.93
MCV	90.0	0.7	0.78
PLT	300.0	8.8	2.93
RETIC %	2.0	0.25	12.5

ADVIA® 2120i Hematology System

Answers for life.

SIEMENS

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Data Management

Database	10,000-patient storage capacity including graphics
Review and Edit Capability	User-defined windows, user-defined reports, user-defined ranges based on age and sex for Normal range, Panic, Rerun, and Delta Check criteria Bidirectional and host query communication protocols
Complete Quality Control Package	3D bar and SDI graphs, Levey-Jennings plot, table format, patient moving average, QC file management, ILQC program, remote QC
Extensive Online Documentation	Context-sensitive field help, operations manual, procedure wizards assistance, problem-solving diagnostics, remote diagnostics

Workstation Specifications

Computer	Windows 2000®, 40-gigabyte hard disk drive, 256-MB memory, CD-RW, 19" LCD Touchmonitor, full-size keyboard (major languages)
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Physical Specifications

Electrical Power Requirements	Dedicated line, voltage selectable for single-phase 100 VAC (6 amps)-240 VAC (3 amps) Frequency: 50/60 Hz
Temperature Requirements	Operating: 18°C-32°C, Storage: -40°C-+70°C
Relative Humidity	Operating: 15%-80% (noncondensing)
Heat Generation	Less than 3000 BTU
Waste Disposal	Azide-free reagents drain into a waste container with automatic level-sensor shutoff Optional auto-waste removal system CN free

Auto Sampler Option

150-Sample Capacity	15 racks with 10-tube capacity
Compatible Tube Types	VACUTAINER®, HEMOGARD®, Monovette®, Venoject® II, Venosafe®, Vacuette®, Monoject®
Bar Code Reader	Up to 14 digits
Automatic Discrimination of Label Codes	Codabar, Interleave 2 of 5 with and without check digit, Code 39, Code 128 EAN and JAN (8 and 13)

Other Specifications

Onboard analytical and wash reagents (1850 CBC/Diff Tests)
Automated daily maintenance—fully programmable

*CN Free HB method.

**Laboratory use only.

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

Specifications are subject to change.

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