

ADVIA 2120

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 | 0.20 | 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® 2120 Hematology System

Siemens Medical Solutions Diagnostics

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ADVIA 2120 Hematology System Specifications

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, 17" color LCD monitor, full-size keyboard (major languages) |
|-----------------|--|

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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