Sysmex

AUTOMATED HEMATOLOGY ANALYZER

XT-2000i

Diagnostics

NETWORKING

“Your next choice”
for Hematology Analysis

SYSMEX CORPORATION
"Your neXT choice"
Compact Fully Automated Fluorescence Flow Cytometry for High Quality Hematology Analysis

A compact, high performance hematology analyzer, the XT 2000i provides accurate and precise CBC results, including a fully automated WBC 5-part differential and reticulocyte count. Fluorescence Flow Cytometry technology allows for rapid, highly reliable test results that are essential for effective patient diagnosis and therapeutic monitoring. Furthermore, an improvement in user-friendliness and flexibility has been achieved through the employment of the Windows-based software. Through a combination of highly advanced technologies, the XT-2000i creates a new standard for hematology analysis.

New Technology
The XT-2000i employs a reliable and economical semiconductor laser as the light source for the flow cytometry system. The semiconductor laser minimizes operational cost due to its long life cycle and low electrical consumption. A patented fluorescent dye, which stains the nucleic acids within the cells, is part of the unique reagent system used to provide excellent separation of normal as well as abnormal cell populations. The power of the fluorescence flow cytometry enhances reticulocyte and fluorescent optical platelet counts to provide physician with valuable clinical decision making tools.
Automatic Hematology Analyzer

XT-2000i

Flexible Network Capability
The Information Processing Unit (IPU) of the XT-2000i is TCP/IP and Ethernet compatible. Integration into a computer network gives the XT-2000i the ability to access online Quality Control and remote maintenance functions, to accelerate and simplify service support.

User-friendly Data Management
The Graphical User Interface (GUI) of the Windows 2000 system allows for easy operation. Test results obtained by the XT-2000i can be graphically displayed in various formats, allowing the XT-2000i to be a center for comprehensive, patient-related hematology information management.

Random Access Testing
The XT-2000i features four discrete testing modes and real-time random access analysis, providing testing flexibility and reagent savings.

| CBC | CBC+DIFF |
| CBC+DIFF+RET | CBC+RET |

Technology Inherited from Sysmex's XE-2100
The XT-2000i employs the same measurement principles and reagent system as the revolutionary Sysmex XE-2100. Furthermore, the Windows-based design ensures conformity in operation and superior data compatibility.

Increased Productivity
The highly advanced processing and analysis capabilities of the XT-2000i, delivers reliable test results at a rate of 80 samples per hour. This greatly reduces the need for retesting operations improving lab productivity and TAT.

* TAT: Turn Around Time (Time from the generation of the test order until a report of the test results is produced)

System Flexibility
Two XT-2000i can be controlled by one Information Processing Unit (IPU). The information obtained by each module can be processed and analyzed by the IPU for comprehensive data management to enhance productivity.

* The optional Twin Connection Manager (TCM) is necessary to be connected by the two analysis modules.
AUTOMATED HEMATOLOGY ANALYZER XT-2000i

Specifications

Parameters
- WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, NEUT%, LYMPH%, MONO%, EO%, BASO%, NEUT#, LYMPH#, MONO#, EO#, BASO#, RET%, RET#, RDW-SD, RDW-CV, PDW#, MPV, PCT#, P-LCR#, HFR#, MFR#, LFR#, IRF#
- In some areas, these parameters are not reportable.

Research Parameters
- ICG%, ICG#

Detection Principles
- Flow cytometry method using a semiconductor laser (WBC, WBC 5 DIFF, RET)
- Hydrodynamic focusing DC detection method (RBC, PLT)
- SLS-hemoglobin method (HGB)

Throughput
- Up to 80 samples/hour

Discrete Testing
- CBC Mode, CBC-DIFF Mode, CBC-DIFF+RET Mode, CBC+RET Mode

Sample Volume
- Manual Mode: 85μL
- Manual Closed Mode: 150μL
- Capillary Mode: 40μL

Data Storage
- Analysis Data: Up to 10,000 samples including histograms and scattergrams
- Patient Information: Up to 5,000 patients
- Test Order Information: Up to 1,000 orders
- Quality Control Files: 21 files, each with 300 data points.

Dimensions (W x H x D mm)
- Main Unit: Approx. 530 x 630 x 500
- Sampler Unit: Approx. 520 x 110 x 220
- Pneumatic Unit: Approx. 280 x 355 x 400

Weight (kg)
- Main Unit: Approx. 52
- Sampler Unit: Approx. 7
- Pneumatic Unit: Approx. 17

Power Supply
- 100–117V / 220-240V±5% (50/60Hz)

Power Consumption
- 250VA or less

Option
- Sampler (for 50 samples)
- Barcode reader (built in type for sampler)
- Handheld barcode reader
- Graphic printer
- Line printer
- Ticket printer