



XS-1000i™ Automated Hematology Analyzer

Small Footprint. Big Difference.



Small But Powerful: The XS-1000i



Today's Laboratory Challenges

Laboratories have continued to face a number of challenges for several years. These include clinical, operational and financial issues such as:

- Demand for clinically relevant information
- Medical technologist labor shortage
- Increased workload
- Need for faster turnaround time
- Requirement for high reliability
- Limited laboratory budgets

Laboratories are searching for a hematology analyzer that can improve productivity and efficiency while providing enhanced clinical information.

Easy-to-Use

- Intuitive software menus
- Barcoded reagent management
- Comprehensive QC information
- On-board help key for troubleshooting

Reliable Performance

- Sysmex ranked by independent third party as highest vendor reliability for 13 consecutive years (2013 IMV ServiceTrak™)
- SNCS™, (Sysmex Network Communications System) remote monitoring, to provide maximum uptime

Streamlined Workflow

- Simplicity in operation; Windows® driven software
- True walk-away analytical process with closed tube auto sampling
- Push button, walk-away daily maintenance
- Can be used in conjunction with Sysmex WAM™ Decision Support Software for the Clinical Laboratory

Accurate and Efficient

- Proven technologies
- Linearity to support clinical diagnostics and patient monitoring
- Sensitive flagging to support diagnosis by the physician

Compact

- Small footprint, requires only four feet of bench space
- Fits easily on a laboratory bench or table
- Modular unit



XS-1000i with Autoloader

XS-1000i Specifications

Principles & Technologies

Fluorescent Flow Cytometry:
WBC-Diff
Direct Current – Sheath Flow:
RBC, HCT, PLT
Non-cyanide, Sodium Lauryl Sulfate (SLS):
HGB

21 Whole Blood Reportable Parameters

WBC, RBC, HGB, HCT, MCV, MCH, MCHC,
PLT, NEUT%, LYMPH%, MONO%, EO%,
BASO%, NEUT#, LYMPH#, MONO#, EO#,
BASO#, RDW-SD, RDW-CV, MPV

Linearity in Whole Blood Mode

WBC: 0 – 400 x 10³/μL
RBC: 0 – 8.00 x 10⁶/μL
HGB: 0 – 25.0 g/dL
HCT: 0 – 60.0
PLT: 0 – 5,000 x 10³/μL

Throughput

Single Sample Mode: 60 samples/hour (max.)
Auto Sampler Mode: 53 samples/hour (max.)

Sample Volumes

Closed mode: 20μL
Capillary mode; Pre-dilute: 67μL (1:7 dilution)

Data Storage (IPU: Information Processing Unit)

10,000 samples including histograms

Quality Control (Total QC Management)

Common Quality Control material to
XE and XT-Series analyzers
Comprehensive QC files
Levey-Jennings Control Charts
XbarM file
Insight™ Online Quality Assurance Program

Interfaces

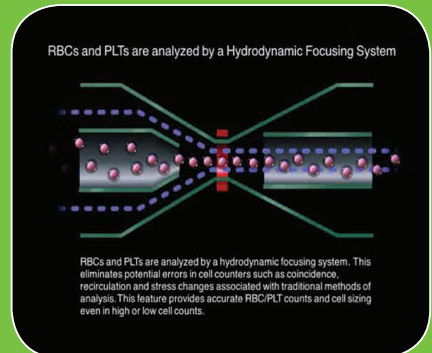
ASTM
Sysmex WAM™ (HL7 & ASTM)

Dimensions/Weight w x h x d [in] / [lbs]

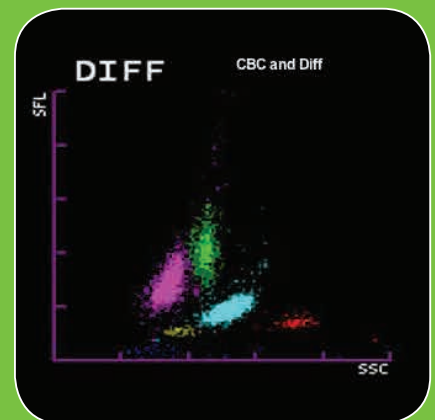
Main Unit:
12.6 x 15.9 x 16.3 / 52.8
With Auto Sampler:
16.7 x 15.9 x 24.2 / 74.8

Models

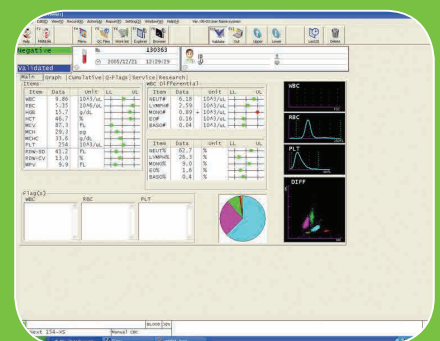
XS-1000i
XS-1000i with Autoloader (XS-AL)



RBC and PLT Counting



WBC Differential Scattergram



The XS-1000i improves workflow by providing diagnostic alerts to clinicians including a message on the screen identifying when patient samples are identified as Negative or Positive.

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