



**XS-1000i™**  
**Advanced Hematology Diagnostics**

Small Footprint. Big Difference.



# Sysmex XS-1000i Specifications

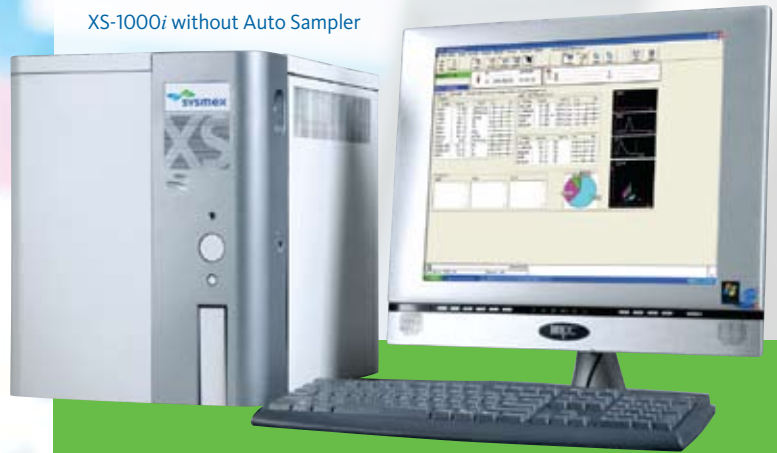
<b>Models</b>	XS-1000i – closed tube sampling XS-1000i – with auto sampler (closed tube)
<b>XS-1000i System Includes</b>	XS-1000i analyzer - 12.6" W x 15.9" H x 16.3" D; 52.8 lbs. All in one computer/monitor Bar code reader Laser printer Auto sampler (optional) - 16.7" W x 15.9" H x 24.2" D; 74.8 lbs.
<b>XS-1000i Specifications</b>	Operating System – Windows® XP Sample Storage – 10,000 records with scattergrams Ideal lab testing volumes – up to 60 CBC+DIFF/24hr Discrete test options – CBC or CBC+DIFF Common reagents and e-CHECK control as XE and XT-Series
<b>Measurement Principles</b>	RBC/PLT – Sheath flow direct current as on XE and XT-Series WBC – Semiconductor laser flow cytometry HGB – Colorimetric method (SLS)
<b>Testing Parameters</b>	CBC and 5-part differential 21 Parameters: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, NEUT%, NEUT#, LYMPH%, LYMPH#, MONO%, MONO#, EOS%, EOS#, BASO%, BASO#
<b>Throughput</b>	Single sample mode – 60 samples/hr Auto sampler mode – 53 sampler/hr
<b>Quality Control</b>	20 files L-J or X-barM measurement Common QC material to XE and XT-Series
<b>Linearity Specifications</b>	WBC 0 - 400 X 10 <sup>3</sup> µ/L RBC 0 - 8.00 X 10 <sup>6</sup> µ/L HGB 0 - 25.0 g/dl HCT 0 - 60% PLT 0 - 5,000 X 10 <sup>3</sup> µ/L

# Small But Powerful: The XS-1000i

## State-of-the-art hematology diagnostics requiring only four feet of counter space:

- Effective diagnostic capabilities utilizing fluorescent flow cytometry
- CBC and 5-part differential
- Simplicity in operation for streamlined workflow
- Standardization across Sysmex platform
- Proven reliability as a member of the X-Family of products

XS-1000i without Auto Sampler



The proven technology of the XE and XT-Series has been incorporated into the XS-1000i. The XS-1000i completes the Sysmex hematology product line offering the 5-part differential, utilizing an advanced hematology workstation with a footprint that is less than four feet.

The XS-1000i provides rapid, reliable test results from just 20uL of sample for assistance in patient diagnosis and therapeutic monitoring. It utilizes the same state-of-the-art diagnostic power and accuracy as the X-Series (XE-Series, XT-Series) of high volume analyzers with comparable results.

Now you can spend less time managing equipment and handling samples and more time on the critical analytical work in your lab.

# Improved Diagnostic Results with XS-Series Technology

## Laser Technology

For better reliability, longer life and more efficiency the XS-1000i utilizes an avalanche photodiode with a small laser bench and integrated electronic boards.

## A.C.A.S. WBC Differential Counting

For WBC differential analysis, the XS-Series, like the XE and XT, utilizes an Adaptive Cluster Analysis System (ACAS) instead of conventional discriminators to separate cell populations. Even in highly pathological samples the XS can perform a precise differential.

## WBC Differential Scattergram

For enhanced diagnostics, WBC cell populations are measured using fluorescent flow cytometry with side scatter and side fluorescence.

## RBC and PLT Counting

For better accuracy in cell count and sizing, the XS-1000i utilizes Hydrodynamic Focused Red Cell and Platelet Counting. For reliable anemia screening and monitoring, as well as platelet detection, this enhanced DC method provides uncompromised precision and accuracy.

## Non-cyanide Hemoglobin

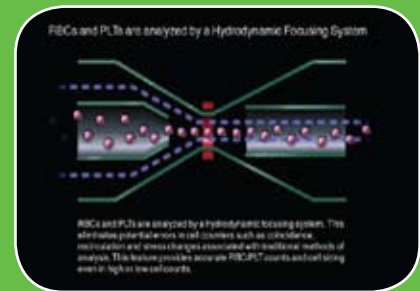
For safety and to assure accuracy in hemoglobin measurement, the XS-1000i utilizes Sysmex's cyanide-free SLS method for hemoglobin measurement. SLS provides accurate HGB results compared to reference methodology and to other X-Series analyzers.



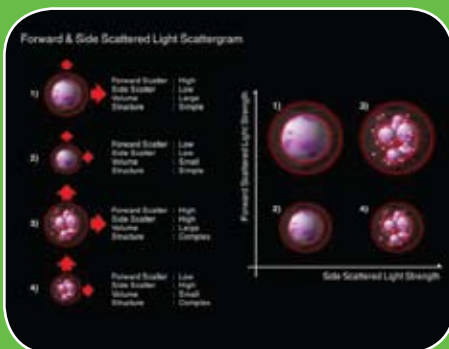
Laser Technology



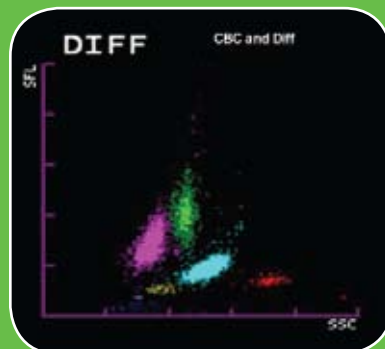
Adaptive Cluster Analysis System (ACAS)



RBC and PLT Counting



A.C.A.S. WBC Differential Counting



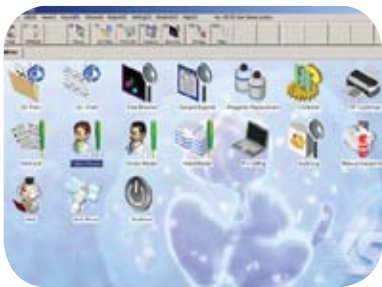
WBC Differential Scattergram



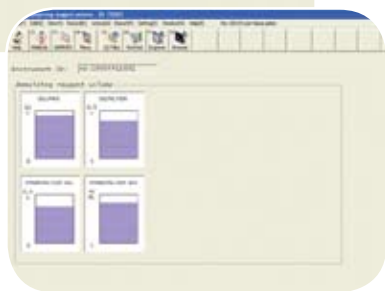
Non-cyanide Hemoglobin

# Big Benefits For Small Labs

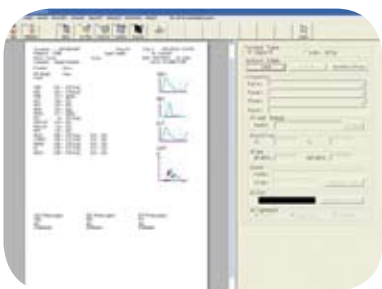
## Save time and become more productive with the XS-1000i



Fluorescent Optical Platelet



The XS-1000i improves workflow by providing diagnostic alerts including a message on the screen identifying when patient samples are identified as Negative or Positive. In addition, operation is streamlined with reagent monitoring information displayed for the operator and operational alerts when reagents run low.



The XS-1000i provides customized reporting formats so you can produce comprehensive physician reports that are easy-to-read with numeric and visual depictions.

## The XS-1000i

- Saves laboratory time by utilizing fluorescent flow cytometry, proven to assist in differentiating normal and abnormal samples.
- Provides smaller laboratories the same technology and diagnostic capabilities as XE and XT analyzers.
- Provides comparable results for affiliated hospitals, clinics and physicians utilizing Sysmex instrumentation. True standardization for hematology is achieved.

## Accurate, Reliable Clinical Results

- X-Series technology provides accuracy and precision
- Fluorescent flow cytometry for WBC diff
- Hydrodynamic focused flow cell counting for RBC and platelet

## Streamlined Workflow for Small Labs with Minimal Staff

- True walk-away analytical process with closed tube auto sampling
- Push button/walk-away daily maintenance
- Push button/walk-away monthly maintenance

## Outstanding Instrument Reliability and Customer Support

- X-Series technology ranked best in system performance, system reliability and service response by MD Buyline (MBD - Market Outlook), January 2009
- Remote monitoring and troubleshooting via Sysmex SNCS™
- Technical support available 24hrs/day





# XS-1000i™

## Advanced Hematology Diagnostics

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XS-1000i with Auto Sampler