

Small Footprint. Big Difference.



With Auto Sampler



## Small But Powerful: The XS-1000i

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 CBC and S-part differential an advanced hematology workstation with a footprint that is less than four feet.

The XS-1000i provides rapid, reliable test results from small samples 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-2100, XT-Series) of high volume analyzers with comparable results.

When you have a small staff, you need equipment that is reliable and easy-to-use and maintain. The XS-1000i utilizes fluorescent flow cytometry and advanced cell counting, which improves diagnostic efficiency. Plus, maintenance is as easy as pushing a button and walking away.

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



## Small Footprint.

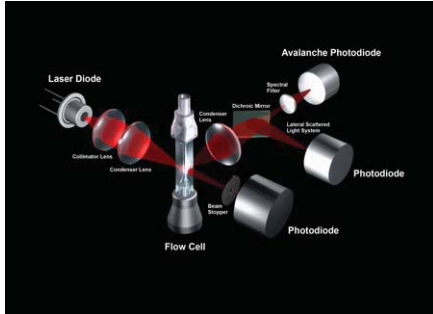


### State-of-the-art hematology diagnostics in four feet of counter space:

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

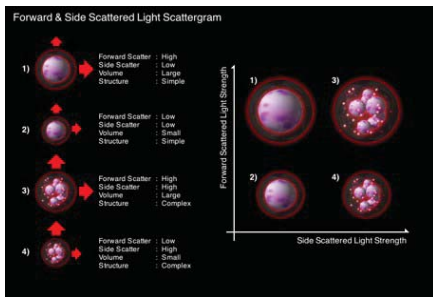
## Improve your diagnostic results with XS-Series technology

### Laser Technology



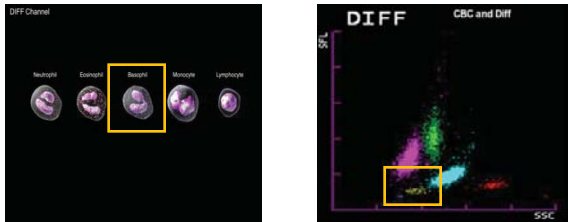
For better reliability, longer life and more efficiency the XS-1000i utilizes an avalanche photodiode with a small laser bench and integrated electronic boards.

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



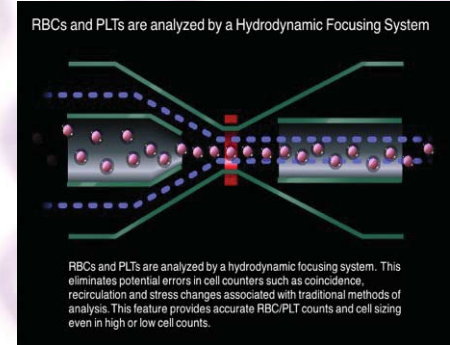
For WBC differential analysis, the XS-Series, like the XE and XT, utilizes an Adaptive Cluster Analysis System (ACAS) instead of conventional discriminators to separate cell populations. Even in highly pathological samples the XS can perform a precise differential.

### WBC Differential Scattergram



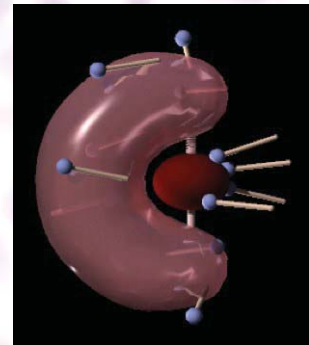
For enhanced diagnostics, cell populations are measured using fluorescent flow cytometry with side scatter and side fluorescence. The basophil population is identified in a very specific portion of the diff scattergram.

### 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.

## Big Benefits For Small Labs

- 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

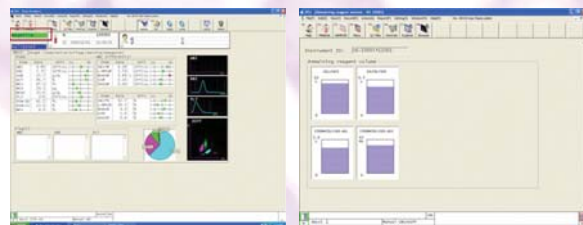
## Outstanding Instrument Reliability and Customer Support

- X-Series technology ranked best in system performance, system reliability and service response by MD Buyline (MBD - Market Outlook), July 2006
- Remote monitoring and troubleshooting via Sysmex SNCS™
- Technical support available 24hrs/day

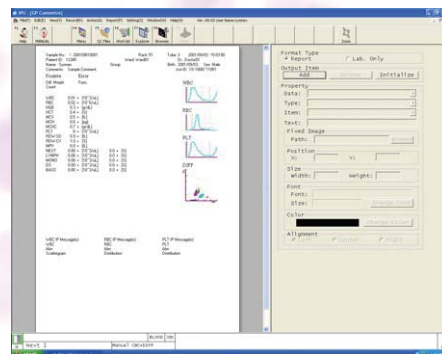
## Save time and become more productive with the XS-1000i



*Productivity is enhanced with easy-to-use Windows® XP Operating System.*



*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.*

## Models

XS-1000i – closed tube sampling  
 XS-1000i – with auto sampler (closed tube)

## XS-1000i system includes

- 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.

## XS-1000i Specifications

- 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

## Measurement Principles

- RBC/PLT – Sheath flow direct current as on XE and XT-Series
- WBC – Semiconductor laser flow cytometry
- HGB – Colorimetric method (SLS)

## Testing Parameters

- CBC and S-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#

## Throughput

- Single sample mode – 60 samples/hr
- Auto sampler mode – 53 sampler/hr

## Quality Control

20 files  
 L-J or X-barM measurement  
 Common QC material to XE and XT-Series

## Linearity Specifications

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

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