XS SERIES

AUTOMATED HEMATOLOGY ANALYZER

XS Series (XS- 1000i, XS-800i)

Your Priority Choice

Specifications

Technologies	Fluorescence Flow Cytometry method: WBC, WBC DIFF, IG Hydrodynamic focusing DC detection method: RBC,PLT Cyanide-free SLS-hemoglobin method: HGB
Parameters	WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, NEUT%, LYMPH%, MONO%, EO%, BASO%, NEUT#, LYMPH#,MONO#, EO#, BASO#, RDW-SD, RDW-CV, PDW*, MPV, PCT*, P-LCR* Research Parameter: IG%, IG#
Throughput	XS-l000i / XS-800i : 60 samples / hour XS-1000i with sampler : 20 samples / 23 minutes
Discrete Mode	CBC CBC+DIFF
Sample Volume	Sampler / Manual Closed Mode**: 20µL Manual Mode: 20 µL Capillary Mode: 20 µL
Data Storage	10,000 samples (incl.graphics) 5,000 patients' information 1000 selective test orders
Quality Control	20 QC files with 300 data points each 1 XbarM file with 300 data points Real-time QC
Dimensions W X H X D (mm)	XS-800i main unit approx. 320 X 503 X 413 XS-1000i main unit approx. 320 X 403 X 413 Sampler unit**: approx. 450 X 415 X 320
Weight (kg)	Main Unit: 24 kg Sampler unit**: 10 kg
Optional	Sampler (for 20 samples)** Handheld barcode reader

* In some areas, these parameters are not reportable
**Features applicable to XS-l000i only
Images used in this brochure are examples only. Design and specifications are subject to change.

About Sysmex

Sysmex is a market leader in the development and implementation of diagnostic and health IT products and services for clinical laboratories, hospitals and healthcare organisations worldwide.

Sysmex delivers total solutions in the field of clinical laboratory testing, including coagulation, haematology and urinalysis. In the core field of haematology, Sysmex is the market leader in Japan and occupies the number-one share of the Asian market whilst currently holding the number-two share of the worldwide market. Sysmex is also the number-one supplier of coagulation instrumentation worldwide.

Supplying products and services that meet global market requirements, Sysmex continues to build a strong global network of research and development facilities, production bases and offices of distribution at 32 locations in 17 countries. It is this strong global network which plays a vital role in responding to regional requirements.

Working closely together with our customers, Sysmex can now deliver 'A *total solution*' that is not only innovative and intelligent, but are also focused at a regional level on a global basis.



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sysmex

Sysmex XS-series offers improved efficiency and consistency of laboratory reporting

Reliability and economy

Sysmex analyzers are recognized internationally for their outstanding reliability, durability, maximum instrument uptime and ease of maintenance.

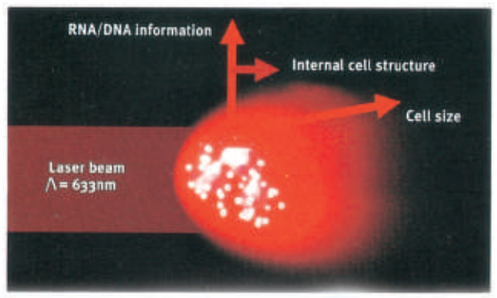
Tailored to meet the needs of small to medium laboratories, the XS-series continues this standard of proven technology, producing accurate results at an affordable price for every laboratory budget.

Sysmex X-family

The new XS-series is the latest member of the Sysmex "X-family" employing the highly advanced Fluorescence Flow Cytometry technology, which was first introduced in the XE-2100.

Laser technology

Like the other members of the X-family, the XS-series utilizes a reliable and economical semiconductor laser as the light source for the flow cytometry system. The semiconductor laser's long life cycle and low electrical consumption minimize operational costs.



The forward scattered light signal (cell size information), the size scattered light signal (internal cell structure) and the side fluorescence light signal (RNA/DNA information) of each particle are analysed as it is passing through the flow cell.

Unique reagent system

A patented fluorescent dye, which stains the nucleic acids within the cells, is part of the unique reagent system used to distinguish between normal and pathological samples.

The "X-family" advantage

The XS-series fits perfectly in laboratory cluster organizations. Using the same measurement principles and reagent systems as the XE-series and XT-series, the XS-series continues to improve efficiency and standardization of laboratory reporting.

Sysmex flexibility

The Sysmex XS-series comes in two models, the XS-1000i and XS-800i, in order to cater to the specific needs of individual laboratories.



XS - 800i



XS - 1000i

Cap piercing auto-sampler

A 20-tube cap piercing auto-sampler can be mounted on the main unit of the XS-1000i, offering walk-away automation.

The barcode reader provides positive sample identification, while the STAT function allows immediate analysis of emergency samples.



XS - 1000i with cap piercing auto sampler

Compact & efficient

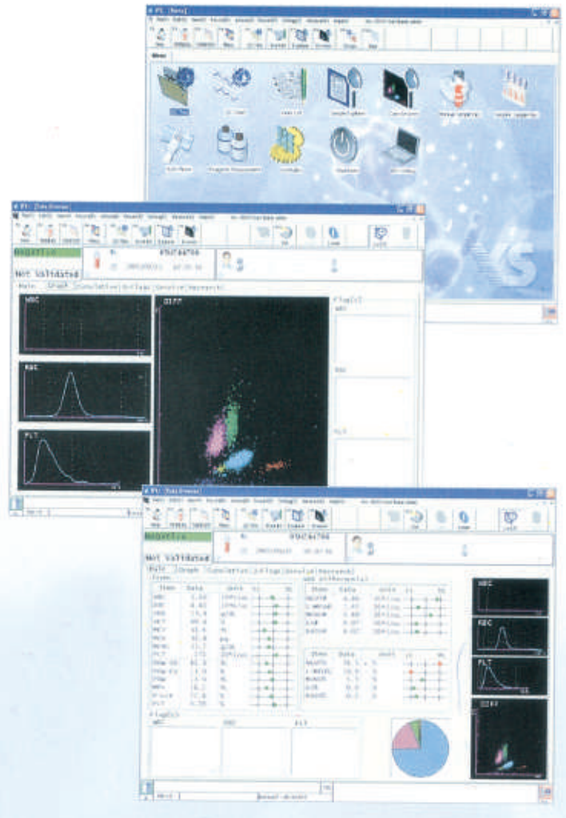
The XS-series is the most compact fully automated 5-part differential hematology analyzer available in its class today, fitting into even the smallest laboratories.

Selective testing, with real-time random access analysis, provides testing flexibility and reagent savings. Additionally, only 20µL of sample aspiration volume is required for a complete CBC plus DIFF, making it ideal for analysis of pediatric samples!

Superior software functionalities

Patient information management

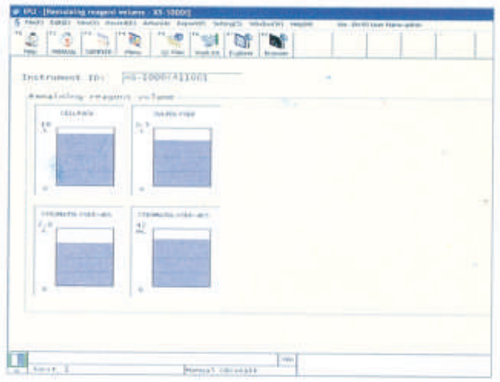
The window based XS-1000i and XS-800i IPU (information processing unit) includes the patient information manager (PIM) software, which is easy to operate and offers comprehensive patient-related hematology information management. Test results can be numerically and graphically displayed in various formats.



Patient information manager software

Increased Flexibility

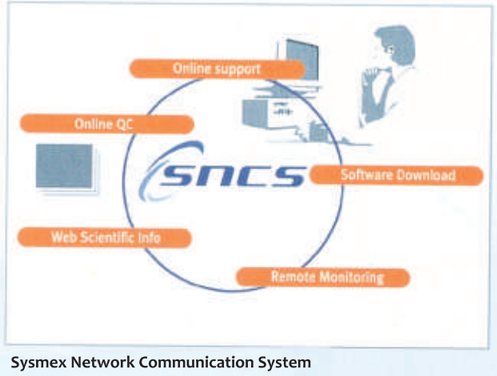
The XS-series software also contributes to increased workflow flexibility and enhances operational safety by providing a reagent inventory management system based on barcode identification, customization of report printouts, user-definable QC range selection and analysis data output functions.



Reagent inventory management system

Sysmex Network Communication System

Network capability of the XS-series allows easy integration into the laboratory's computer network system. Additional features like the SNCS (Sysmex Network Communication System), which provides real-time online quality control and remote monitoring services, support laboratories in delivering quality service to their patients or clients.



Sysmex Network Communication System

Further information

For further information about the XS-series, please contact your local Sysmex sales office.