

## Sysmex XS-500i, designed for reliability and cost-efficiency.



### 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-500i continues this standard of proven technology, producing accurate results at an affordable price.

### Sysmex X-family

The new XS-500i is the latest member of the Sysmex "X-family" employing the highly advanced Fluorescence Flow Cytometry technology, which was first introduced for the XE-2100.

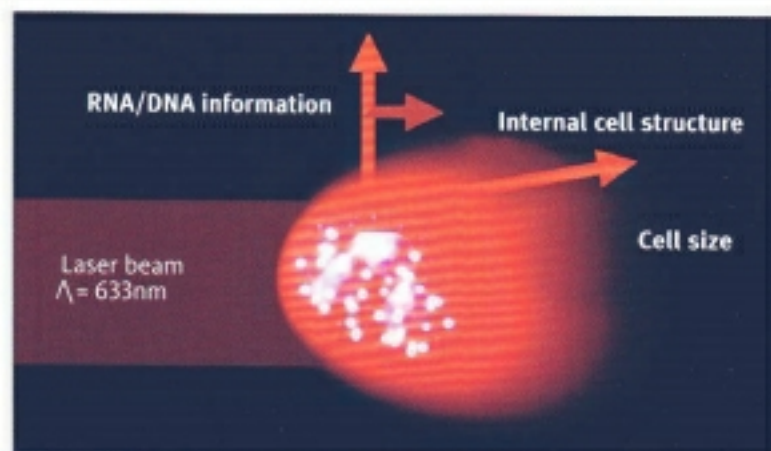
### Laser technology

The XS-500i utilizes a reliable 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.

### 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 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.

## The "X-family" advantage

The XS-500i 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.

## Compact & efficient

The XS-500i 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 20 $\mu$ L of sample aspiration volume is required for a complete CBC plus DIFF, making it ideal for analysis of pediatric and geriatric samples!

## Superior software functionalities

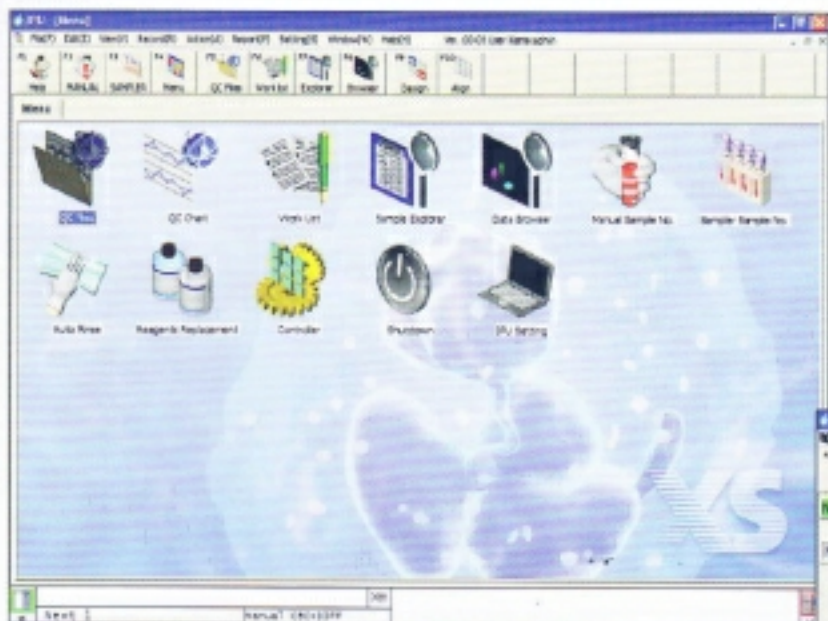
### Patient information management

The windows based XS-500i IPU (information processing unit) includes the patient information management (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.

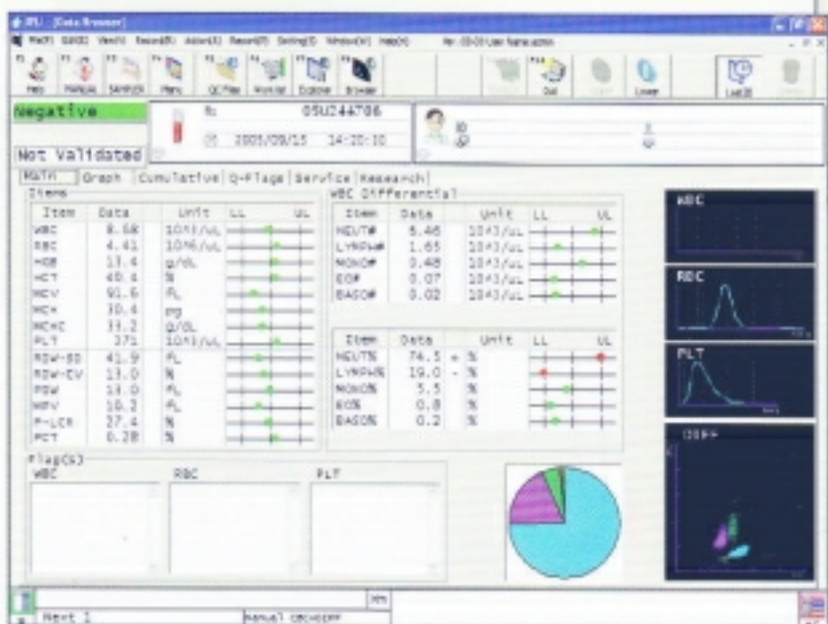
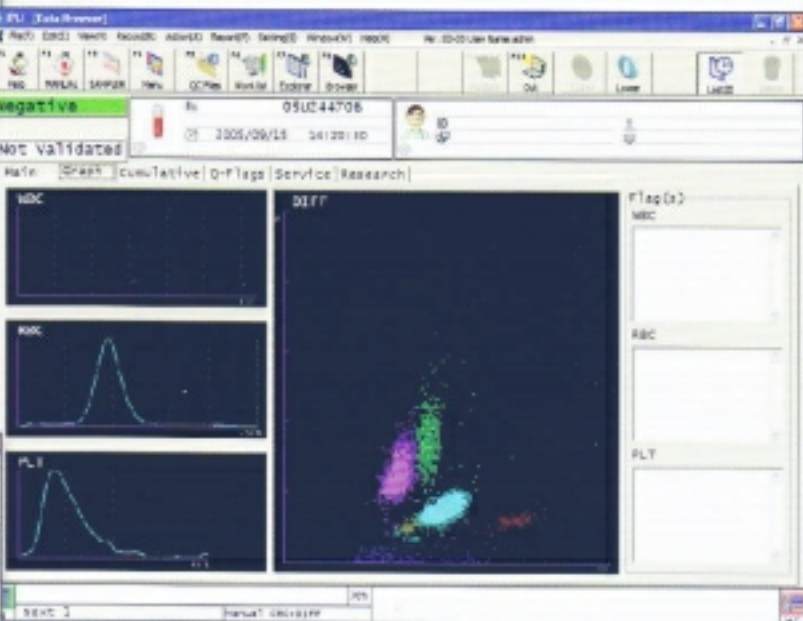
### Increased Flexibility

The XS-500i 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.

For further information about the XS-500i, please contact your local Sysmex sales office.



Patient information management software



## Specifications

<b>Technologies</b>	Fluorescence Flow Cytometry method: WBC, WBC DIFF, IG Hydrodynamic focusing DC detection method: RBC, PLT Cyanide-free SLS-hemoglobin method: HGB
<b>Parameters</b>	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#
<b>Throughput</b>	60 samples/ hour
<b>Discrete Mode</b>	CBC CBC+DIFF
<b>Aspirated Sample Volume</b>	Manual Mode: 20µL (whole blood) Capillary Mode: 67µl (diluted blood)
<b>Data Storage Capacity</b>	Analysis data with histogram 8,000 samples Scattergram 8,000 samples Patients' information 5,000 patients Order information 1,000 samples
<b>Quality Control</b>	X-bar control (L-J control) 300 points X 20 files, 28 parameters X-bar M control 300 points X 1 file, 26 parameters
<b>Dimensions W X H X D (mm)</b>	Main unit approx. 320 X 503 X 413
<b>Weight (kg)</b>	Main Unit: 24kg
<b>Optional</b>	Handheld barcode reader

\* In some areas, these parameters are not reportable

Images used in this brochure are examples only. Design and specifications are subject to change.

## About Sysmex

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

We deliver total solutions in the field of clinical laboratory testing, including hematology, coagulation and urinalysis. Supplying products and services to customers in more than 150 countries, Sysmex is the market leader in hematology and coagulation instrumentation worldwide.

By working together with our customers and business partners, Sysmex is committed to our mission of shaping the advancement of healthcare.



We Believe the Possibilities.

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