

Sysmex® XN-Series Hematology Analyzers
High medical value meets modularity





*The Sysmex® XN-Series represents
a major breakthrough in
laboratory hematology. Tailor
made solutions allow you to choose
exactly the configuration for
current needs, yet being prepared
for future demands and growth of
your laboratory.*

Sysmex® XN-Series Hematology Analyzers

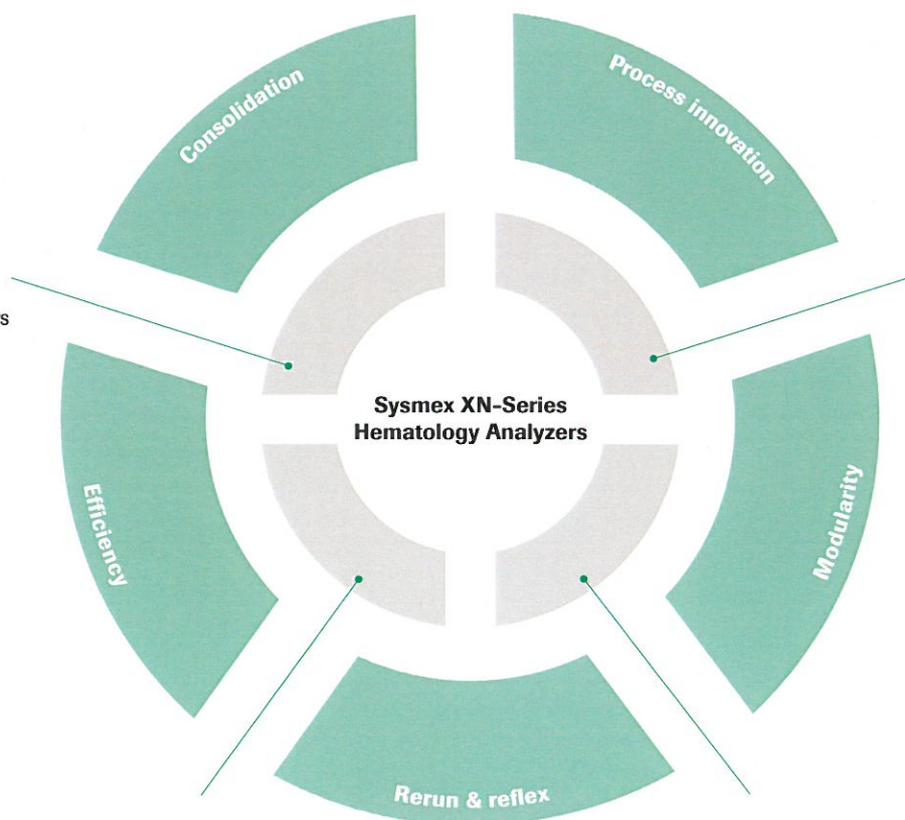
High medical value meets modularity

Medical value

The Sysmex XN-Series offers a set of advanced medical value parameters for fast and accurate diagnosis.

Scalability

The Sysmex XN-Series offers tailor made solutions to all customers for optimized workflow and improved turn-around time and adapts to evolving laboratory needs in medical value and productivity.



Productivity

The Sysmex XN-Series offers a new dimension in productivity for all laboratories with emphasis on high medical value and workflow optimization, independent of their workload.

Technology

The Sysmex XN-Series offers true volumetric impedance cell counting coupled with state of the art fluorescence flow cytometry in known Sysmex quality for precise analysis of all hematology samples.

Sysmex® XN-Series Hematology Analyzers

Laboratory tailored solutions



The Sysmex XN-Series Hematology Analyzers represent the newest members of the Sysmex Hematology Analyzer portfolio distributed by Roche.

With its unique multidimensional modularity, the XN-Series is designed to meet the need of any laboratory performing extended 5-part differential analysis, independent from the overall workload and further advanced medical parameter in hematology patient diagnosis.

All XN-Series analyzer consist of the same measurement module with a standard profile for CBC and 5-part differential whole blood analysis. Each module can be upgraded at any time by additional, laboratory specific diagnostic requirements.

This unique option delivers real workflow improvement for the laboratory and clinicians when it comes to timely, accurate and meaningful diagnosis.

The integration of the TS-500/2000 tube sorter enables the XN-Series to adapt to the laboratories profile in balancing the overall workload enabling your hematology testing area to reduce standard turnaround time. EDTA tubes can be laboratory diciplines establishing the XN-Series as the central area for EDTA tube handling.



The Sysmex® DI-60 digital morphology analyzer represents the newest part of the XN-Series instruments bringing fully automated digital morphology analysis to the hematology testing area, further increasing efficiency and productivity when it comes to complete diagnosis of whole blood samples.



High medical value meets modularity

With a passion for medical value and technology

NRBC

NRBC count on every measurement ensures reliable WBC results without further corrections already at the first run.

The NRBC count helps to actively reduce the smear rate and leads to a faster diagnosis for critical and neo-natal care patients.

Reticulocytes

Supports qualitative and quantitative therapy monitoring in anemia treatment.

Thrombocytes

Automated high precision fluorescence labeled platelet counts for reliable identification of thrombocytopenic patients in time critical situations.

Furthermore, IPF supports the differential diagnosis of thrombocytopenia and avoids unnecessary bone marrow biopsies.

White precursor cells

High sophisticated flagging of pathological samples ensures faster decisions for subsequent diagnosis and treatment.

Differential flagging of abnormal lymphocytes and blast cells in highly critical patients.

Body fluids

Automated 24/7 availability of body fluid measurement without special reagent requirements.

Increased counting volume for precise, reliable and reproducible operator independent results.

Immature granulocytes

Reliable IG (promyelocytes, myelocytes and meta-myelocytes) counting on every differential measurement for the best clinical management of patients with severe hematologic disorders or infections.

True volumetric counting

For precise and calibration-free counting of red blood cells and platelets.

Superior flagging

An innovative algorithm analyzing and flagging abnormal or atypical white blood cell distribution on every differential measurement providing you the confidence of not missing a critical patient sample.

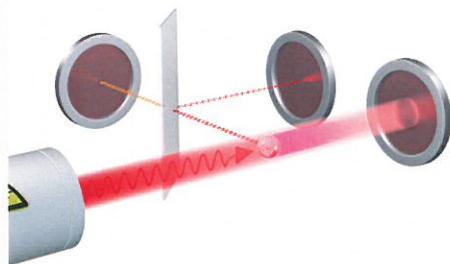
Fluorescence Flow Cytometry

Fluorescence flow cytometry is used for every CBC, DIFF, RET, PLT-F and WPC measurement ensuring a wide linearity range with high and interference minimized precision in the detection of the various cell populations.

Reagent management

Following state of the art accreditation guidelines, all measured patient samples can be traced back to the lot number of every reagent used in the measurement.

Sophisticated counters on every reagent let you plan and optimize your daily routine work.



High medical value meets modularity

With a passion for productivity and scalability

Rerun & reflex

Automated rerun & reflex testing when needed, starting from the basic configuration XN-1000. Reproducible quality of results in the shortest turnaround time for maximum workflow optimization already in the low throughput laboratories.

Compact integration

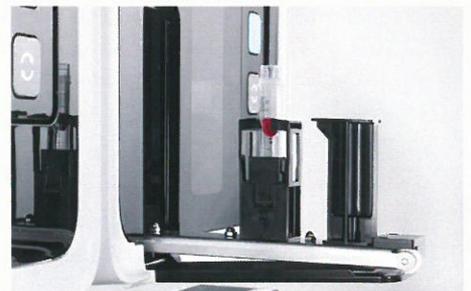
Integrated rule set takes care of automated reflex testing. Initial configuration grows with your laboratory perspectives.

Workload balance

One EDTA tube per patient for consolidated analysis orders (ESR, HbA1c, PCR). Optimization of turnaround time for pathological samples.

Sorting & archiving

Fully automated EDTA sample sorting for archiving or downstream analysis. Routine hematology profiles measured in most efficient manner.



Saving your initial investment

Will your daily workload be growing in the future? So does your XN solution grow to always meet your demanding requirements, answering your daily needs in hematology.

Increasing medical needs

Your customers require measurement of advanced medical value parameters or body fluids – your XN can easily be upgraded by medical value parameters such as reticulocytes (Ret-He, IRF) and fluorescent platelet measurement (IPF and fluorescent platelet count).

Laboratory tailored solution

The XN-Series can be tailored to your specific laboratory settings regardless of diagnostic demands or sample throughput, improving your workflow to the fullest extent.

