XN-Series™ Compact Automation

Reshaping Compact Automation

Optimize your laboratory

As analyzers become increasingly sophisticated, the laboratory's contribution to the continuum of patient care is always evolving. Sysmex's innovative and progressive diagnostic solutions set us apart from every other IVD company on the market. With thoughtful design, Sysmex has created state-of-the-art software and instrumentation that helps improve lab operations and promotes better healthcare and patient management practices.

NEXT GENERATION DIAGNOSTICS

Advanced clinical parameters:

- Leukopoietic indicators—Immature granulocytes with every differential

- Erythropoietic indicators—Nucleated RBC with every CBC, reticulocyte hemoglobin (RET-H*e*) and immature reticulocyte fraction (IRF)

- Thrombopoietic indicators—Immature platelet fraction (IPF) and a fluorescent platelet count (PLT-F) designed for very low platelet counts

HARMONIZED SUPPORT

- Workflow assessment and optimization

- Comprehensive continuing education

- *Insight*™ Interlaboratory Quality Assessment Program (IQAP)

- BeyondCare℠ Quality Monitor for Hematology (BCQM) provides real-time peer group analytics and advanced troubleshooting assistance
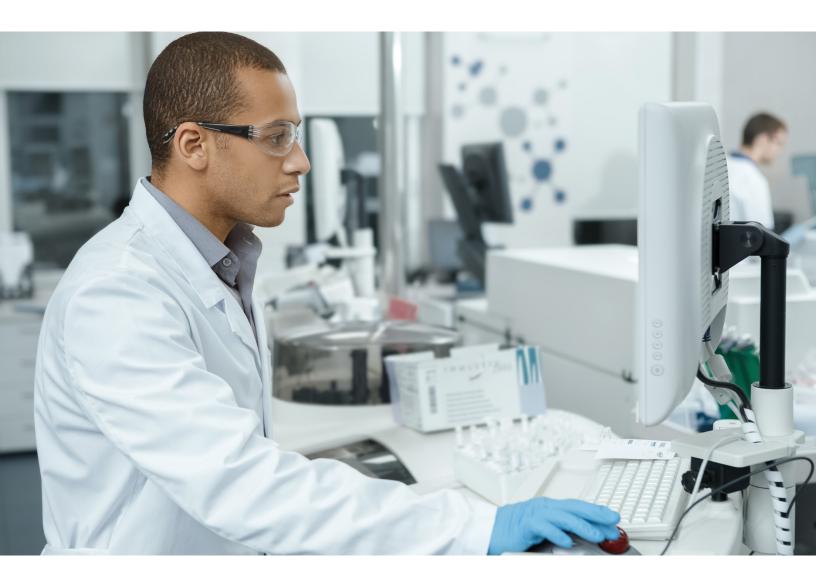
ADVANCED TOOLS AND TECHNOLOGIES

Productivity and efficiency enhancements that are supported by:

- Autoverification

- Automatic workload balancing

- Rerun/reflex testing

- Reflexive slide preparation

- Caresphere™ Workflow Solution (WS)

- Sysmex Validation Solution (VS)

PROCESS OPTIMIZATION

- Remarkably small footprint to optimize increasingly precious laboratory space

BeyondCare℠

BeyondCare from Sysmex changes the definition of service for today's advanced hematology laboratories. Missing a potential analyzer issue can compromise patient care, so BeyondCare is strategically focused on preventing problems before they occur. Sysmex's innovative technology maximizes your system's performance, bringing new levels of insight, efficiency and agility to your lab. This includes comprehensive continuing education, continuous calibration verification and BeyondCare Quality Monitor with *Insight* IQAP. Make sure to ask your Sysmex representative about these programs for your XN-Series Analyzer.

Beyond technology, beyond today

Small, smart, compact automation

It's an approach to hematology testing that's remarkably innovative. An approach that gives laboratories the capability to build a high-performance lab, including all of Sysmex's advanced parameters, regardless of test volume or laboratory location.

- High-performance design
- Advanced clinical utility
- Optimized efficiency of workflow, staffing and space

- Access to advanced technologies, with remarkably small footprints
- Standardization across your healthcare network

XN-3100™

2 XN-10, 1 XN-10 and 1 XN-20, or 2 XN-20 analyzers

Components:
- Smart Sampler - rerun/reflex testing
- SP-50™ Automated Hematology Slide Preparation Unit
- Optional DI-60™ Automated Digital Cell Morphology System

Throughput:
- Up to 200 CBCs / hour
- Up to 75 Smears / hour

Dimensions
112.4"w x 64"h x 46.5"d

- Shown with optional DI-60 analyzer
- Shown with optional XN-20 analyzer
Dimensions with DI-60 are: 112.4"w x 64"h x 46.5"d (without DI = 78.5"w)

Our specifications speak volumes...

Throughput

- Up to 100 CBCs / hour / analyzer module

Quality control

- BeyondCare Quality Monitor for Hematology uses real-time peer group analytics to provide advanced QC monitoring, troubleshooting assistance and continuous calibration verification.

- **XN CHECK**
    - One material for QC of all Whole Blood Parameters
    - Complete tri-level QC product for all CBC, Diff, PLT and reticulocyte parameters

- **XN CHECK BF**
    - One material for QC of all Body Fluid parameters
    - Complete bi-level QC product for TNC, WBC, RBC and reportable 2-part diff parameters

IPU decision rules environment:

- Pre-loaded template within the XN-Series IPU (PC)
- Customer editable/adjustable
- Easily enabled/disabled

Streamlined reagent management

- eSupply
    - Inventory management solution that proactively monitors and adapts to laboratory usage patterns
- Smaller, lighter reagent containers:
    - Color-coding from container to software reagent screen increases operator ease and convenience
    - Designed to fit perfectly within the XN-Series system wagons
- RFID (Radio Frequency ID) tags
- RU-20 Concentrated Reagent Delivery System*:

    - Dilutes concentrated diluent (CELLPACK™ DST) to create ready-to-use CELLPACK™ DCL

    - Fewer reagent changes provide greater instrument availability and improve workflow

RU-20™

XN-1000™
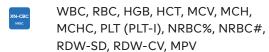
Components:

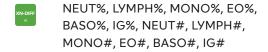- One XN-10 or one XN-20 analyzer
- Simple or Smart Sampler options

Throughput:

- Up to 100 CBCs / hour

Dimensions
25.8" w x 61.7" h x 38" d**

Reportable parameters by channel

Channel	Parameters
XN-CBC NRBC	WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT (PLT-I), NRBC%, NRBC#, RDW-SD, RDW-CV, MPV
XN-DIFF IG	NEUT%, LYMPH%, MONO%, EO%, BASO%, IG%, NEUT#, LYMPH#, MONO#, EO#, BASO#, IG#
WPC	Provides improved differentiation of blast cell and abnormal lymphocyte flagging; no reportable parameters. Available with XN-20 analyzers
XN-BF DIFF	WBC-BF, RBC-BF, MN%, MN#, PMN%, PMN#, TC-BF# (Body Fluids, B License)
PLT-F IPF	PLT (PLT-F), IPF (Platelets, P License)
RET RET-He	RET%, RET#, IRF, RET-He (Reticulocytes, R License)

* Recommended minimum workload is 55 samples per day when using the 2x4L packaging. 200+ samples per day when using the 20L packaging.
** All dimensions noted are approximate.

Tabletop configurations

XN-1000

Dimensions
25.4" w x 33.7" h x 29.7" d*

XN-2000

Dimensions
37.8" w x 33.7" h x 36" d*

• Shown with optional XN-20 analyzer

XN-3100

Dimensions
112.4"w x 64"h x 46.5"d*

• Shown with optional DI-60 Analyzer
• Shown with optional XN-20 analyzer

* All dimensions noted are approximate.

XN-2000™

2 XN-10, 1 XN-10 and 1 XN-20, or 2 XN-20 analyzers

Components:

• Smart Sampler - rerun/reflex testing

Throughput:

• Up to 200 CBCs / hour

Dimensions
41.5" w x 61.7" h x 38" d*

• Shown with optional XN-20 analyzer

Standard components with every system

• Onboard decision rules
• XN-10 and/or XN-20 analyzer modules
• Reticulocyte channel
• Network printer
• Status alert lights (XN-3100)
• BCQM
• eSupply

Optional components:

• Wagons (cabinets)
• Status alert lights (XN-1000 and XN-2000)
• Caresphere WS and Sysmex VS
• RU-20 Reagent Delivery System
• DI-60 Automated Hematology Slide Preparation Unit (available for XN-3100)
  - The cell image analyzer can be interfaced directly to the laboratory information system (LIS) or to Caresphere WS

Caresphere™ Workflow Solution (WS)

Designed by Labs. Developed by Sysmex.

Today's laboratories rely on information technology to help organize clinical data for making quick and accurate decisions. Caresphere WS is a HITRUST CSF®-certified, HIPAA‡-compliant application hosted by Amazon Web Services. Customization and standardization of rules and settings allow for flexibility in sample processing and resulting across a network of laboratories increasing overall adoption and laboratory success. Sysmex supports the entire implementation process from the initial build to go-live, and continues support with unlimited virtual training and technical assistance for the life of the product.

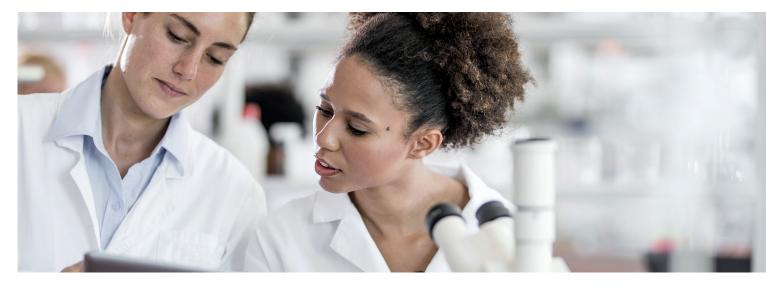The Caresphere WS subscription includes real-time monitoring, security updates, unlimited access to education and a reliable pricing model that offers dependable performance and peace of mind to your laboratory.

Simplify rule testing with Sysmex VS

Sysmex VS is an application that provides effortless rule testing and reporting within Caresphere WS. Sysmex VS provides:

- Easy and simple testing and reporting to assist with regulatory compliance

- Included Emulators, or digital analyzers, allow physical analyzers to continue patient sample processing during many testing activities.

‡Health Insurance Portability and Accountability Act

Sysmex understands the complex challenges hematologists are facing and may face in the future -- we will continually strive to find the means to solve them. Our Sysmex XN-Series Automated Hematology Systems are a giant step forward with automation that maximizes your laboratory's capacity and productivity.

We work hard to ensure that Sysmex customers enjoy the greatest possible return on their investment. From implementation and training to ongoing maintenance and support, every step of our process has been engineered to reduce your operating costs and improve laboratory efficiencies.

To learn more about how we can help your laboratory move to the next level with Sysmex XN-Series Automated Hematology Systems, visit sysmex.com/us or call us at (800) 379-7639.