The Intelligent, Affordable Choice for Your Lab

# XN-L™ Series Automated Hematology Analyzers

## XN-350™, XN-450™, XN-550™

Together for a better
healthcare journey

# XN-L Series Analyzers

The introduction of the XN-Series™ hematology analyzers has helped Sysmex become a market leader in CBC testing performed by mid-to high-volume labs. Now we are bringing the same clinical and operational values to lower-volume labs with the XN-L Series.

## Sysmex XN-L automated hematology analyzers offer expanded clinical value

- Using fluorescent flow cytometry and advanced algorithms, the XN-L generates an automated 6-part differential which includes Immature Granulocyte (IG) enumeration. The IG count reflects metamyelocytes, myelocytes and promyelocytes in the sample, requires no additional preparation or reagents and may help reduce the number of manual differentials being performed in your lab.
- The available Low WBC mode extends the WBC and differential counting time, providing accurate and reproducible results that may lead to increased workflow efficiency.

### XN-350*

- Open tube sampling
- Integrated IPU with LCD color touchscreen
- Intuitive XN software

### XN-450

- Closed tube sampling
- Integrated IPU with LCD color touchscreen
- Intuitive XN software

### XN-550

- Automated sample loader
- Intelligent, integrated rack sampling
- Automatic rerun & reflex functionality

* Not available in all markets

## Benefits at a glance

- Flexible - XN-L analyzers are compatible with standard and BD Microtainer® MAP tubes
- Compact - XN-L analyzers have a small footprint to fit any lab.
- Standardization - Using the same technology, reagents and controls as the XN-Series, the XN-L analyzers ensure standardized CBC results across your network, regardless of lab size or workflow.
- Low WBC mode - Improves reliability of results, even in leukopenic patients.
- Reticulocyte License (RET) - *optional* – Utilizing fluorescent flow cytometry, the reticulocyte analysis channel provides retic counts, an immature reticulocyte fraction (IRF) and reticulocyte hemoglobin equivalent (RET-He) to add clinically significant data to the diagnostic profile.
- Body Fluid License (XN-BF) - *optional* - The optional Body Fluid Mode allows labs to standardize cell counts on many common body fluids. Automated WBC, RBC and total nucleated cell counts and a reportable 2-part differential provide efficiency and accuracy for body fluid samples.
- Onboard Rules – Customizable onboard rules provide guidance for handling abnormal or flagged samples per your lab's SOPs. Automated rerun and reflex testing are available only on the XN-550 analyzer.

### BeyondCare℠ Quality Monitor (BCQM)

An innovative, web-based quality control and calibration management program.

## Sysmex BeyondCare℠

At Sysmex, we know your analyzer purchase is part of an investment in your future. We have designed a rich and comprehensive set of services to help maximize your investment and to optimize your laboratory performance.

Sysmex offers services that help minimize downtime and enhance productivity:

- Industry-leading customer support and award-winning service and reliability make us a healthcare partner you can count on.
- Remote monitoring and diagnostics to maximize analyzer availability.
- BeyondCare Quality Monitor (BCQM) – BeyondCare Quality Monitor provides real-time peer group comparisons and continuous calibration verification to take the guesswork out of quality assurance. Onboard QC troubleshooting assistance keeps downtime to a minimum.

## Training & Education

Sysmex's Center for Learning has put together a curriculum of classes and learning resources to support the training and education of your staff, providing unlimited access to:

- high-definition virtual instructor-led training (VILT) classes streamed live to your lab.
- online, self-paced e-learning courses that are available 24/7.
- webinars covering current technical, managerial and scientific laboratory topics.

Microtainer® is a trademark of Becton, Dickinson and Company.

# Key specifications

| | |
|---|---|
| Models | XN-350*, XN-450, XN-550 |
| Principles and Technology | WBC DIFF/RET: Fluorescent Flow Cytometry<br>RBC/PLT: DC Impedance method with hydrodynamic focusing<br>HGB: Cyanide-free SLS method |
| Channels | XN-CBC; XN-DIFF IG; PD PRE-DILUTE; L-WBC; RET RET-He (Optional); XN-BF DIFF (Optional) |
| Parameters | WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, RDW-SD, RDW-CV, MPV, NEUT#, NEUT%; IG#, IG%; LYMPH#, LYMPH%; MONO#, MONO%; EO#, EO%; BASO#, BASO%<br>Retic Parameters with Optional License:<br>RET#; RET%, IRF; RET-He<br>Body Fluid Parameters with Optional License:<br>TC-BF, WBC-BF, RBC-BF PMN #, PMN%, MN #, MN% |
| Linearity | WBC: 0.00 – 440.00 X $10^3$/µL<br>RBC: 0.00 – 8.60 X $10^6$/µL<br>PLT: 0 – 5,000 X $10^3$/µL |
| Throughput | Up to 60 samples/hour in whole blood (WB) modes |
| Aspiration Volume | 25 µL in whole blood (WB) mode,<br>70 µL in pre-dilute (PD) and body fluid (BF) modes |
| Data Storage Capacities | Results: 100,000 samples |
| Quality Control | XN-L CHECK™ or XN CHECK™<br>Complete tri-level QC product for CBC, DIFF and RET parameters<br>XN CHECK™ BF<br>Bi-level QC product for Body Fluid Channel<br>QC files: 99 files including 3 XbarM files |
| User Maintenance | Daily shutdown<br>Weekly cleaning sequence with CELLCLEAN™ AUTO |
| Dimensions /weights<br>W x H x D [inches/pounds] | XN-350*: 17.7” X 18.3” X 20.3”/approx. 77.2 lbs.<br>XN-450: 17.7” X 17.3” X 18.1”/approx. 77.2 lbs.<br>XN-550: 17.7” X 17.7” X 26.0”/116.8 lbs.<br>XN-550 Monitor: 10.5” X 8.25” X 9.5” (2.25” thick) |

* Not available in all markets

**Sysmex Corporation**
1-5-1-Wakinohama-Kaigandori Chuo-ku, Kobe 651-0073, Japan · Phone +81 78 265-0521 · **www.sysmex.co.jp**

**Sysmex America, Inc.**
577 Aptakisic Road, Lincolnshire, IL 60069, U.S.A. · Phone +1 888 879-7639 · **www.sysmex.com/us**

**Sysmex Canada, Inc.**
2680 Skymark Ave, Suite 1001, Mississauga, ON L4W 5L6 Canada · Phone +1 905 366-7900 · **www.sysmex.ca**

**Sysmex Latin America and the Caribbean**
Rua Joaquim Nabuco 615 - Bairro Cidade Jardim, São José dos Pinhais Paraná – Brasil – CEP 83040-210 · Phone +55 41 2104-1314 · **www.sysmex.com.br**

© 2026 Sysmex America, Inc.
CF-COL-07274, Rev. 4, 1/2026