

XN-1000™

Change the way you
perform hematology



Cell analysis in hematology that's one step ahead

The XN-1000 is designed to be a step ahead of hematology analyzers of the past and change the way you perform hematology in the modern clinical laboratory. This compact system offers proven and innovative fluorescent flow cytometry technologies that delivers a highly comprehensive CBC and differential.

Sysmex Automated Hematology Analyzers Offer Expanded Clinical Value

NRBCs and 6-part differential standard on all models:

- NRBC testing on every CBC; reduces the need for reflex testing or performing automated/manual differentials.
- WBC count does not require correction in presence of NRBCs.
- Automated reportable immature granulocyte count (IG#, IG%) with every automated differential reduces manual review rates.

Fluorescent Platelet technology:

- Platelet-specific stain greatly reduces interferences from RBC or WBC fragments.
- Can be set up as a reflex test¹ with onboard rules or Caresphere™ Workflow Solution (WS).

Fluorescent Reticulocyte technology:

- Fluorescent flow cytometry generates reportable RET# and RET%, Reticulocyte Hemoglobin equivalent (RET-He) and Immature Retic Fraction (IRF).

Qualitative flagging of Immature WBCs:

- The addition of the WPC² channel, along with enhanced algorithms, provides better detection of abnormal lymphocytes and blast cells.

Body Fluid Mode:

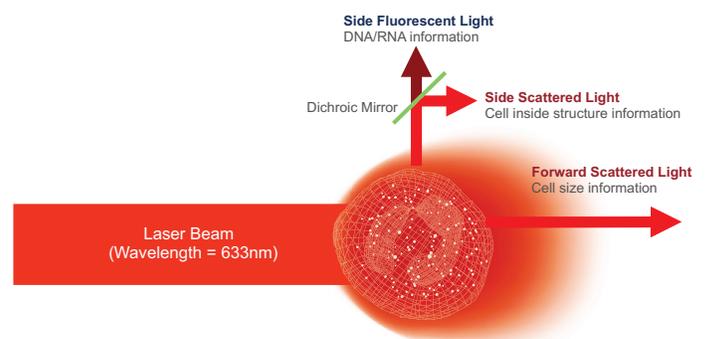
- Provides WBC (WBC-BF), RBC (RBC-BF), Total Nucleated Cell count (TC-BF), and a two-part WBC differential.

Low WBC analysis mode:

- Low WBC reduces vote-outs and manual reviews.
- Can be set up as a reflex test¹ with onboard rules or Caresphere™ WS.

Pre-Dilute mode:

- Allows testing to be performed on samples of whole blood that are diluted with CELLPACK DCL.



*1 Automatic reflex sample analysis is not available on all module configurations

*2 Channel not available on all module configurations

XN-CBC
NRBC

XN-DIFF
IG

XN-BF
DIFF

PLT-F
IPF

RET
RET-He

WPC

(Only available on
XN-20 configuration)

Specifications

| | |
|----------------------------------|--|
| Principles and Technology | Fluorescent flow cytometry using a semi-conductor laser and hydrodynamic focusing in dedicated channels |
| Parameters | <p>Whole Blood: WBC; RBC; HGB; HCT; MCV; MCH; MCHC; PLT (PLT-I, PLT-F); NEUT#, NEUT%; IG#, IG%; LYMPH#, LYMPH%; MONO#, MONO%; EO#, EO%; BASO#, BASO%; NRBC#, NRBC%; RDW-SD; RDW-CV; MPV; RET#, RET%; IRF, RET-He; IPF#, IPF%</p> <p>Body Fluid: TC-BF, WBC-BF, RBC-BF PMN #, PMN%, MN #, MN%</p> |
| Throughput | <p>Whole Blood Mode: up to 100 CBC+DIFF samples/hour per module</p> <p>Body Fluid Mode: up to 40 samples/hour per module</p> |
| Sample Aspiration Volume | <p>Whole Blood Mode: 88 μL</p> <p>Low WBC Mode: 88 μL</p> <p>Pre-dilute Mode: 70 μL</p> <p>Body Fluid Mode: 88 μL</p> |
| Linearity | <p>WBC: 0.00 – 440.00 $\times 10^3/\mu$L</p> <p>RBC: 0.00 – 8.60 $\times 10^6/\mu$L</p> <p>PLT: 0 – 5,000 $\times 10^3/\mu$L</p> <p>WBC-BF: 0.000 – 10.000 $\times 10^3/\mu$L</p> <p>RBC-BF: 0.000 – 5.000 $\times 10^6/\mu$L</p> |
| Quality Control | <ul style="list-style-type: none"> XN CHECK™: complete tri-level QC product for all CBC, Diff, PLT, and RET parameters XN CHECK™ BF: bi-level QC product for Body Fluid channel Comprehensive QC files including current and new lot feature 99 total files including 5 XbarM files Insight™ web-based Interlaboratory Quality Assessment Program (IQAP) BeyondCareSM Quality Monitor (BCQM[®]) simplified and consolidated platform for quality control monitoring |

Specifications

| | XN-1000 R | XN-1000 BR | XN-1000 PR | XN-1000 BPR | XN-1000-010 |
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| Model ID | XN-1000-100-R-01 | XN-1000-100-BR-01 | XN-1000-100-PR-01 | XN-1000-100-BPR | XN-1000-010 |
|-----------------------------|---|-------------------|-------------------|--|-------------|
| Components | | | | | |
| XN-10 or XN-20 | XN-10 | XN-10 | XN-10 | XN-10 | XN-20 |
| Automated reflex/rerun | 0 | 0 | 0 | Included | Included |
| Reticulocyte License (R) | Included | Included | Included | Included | Included |
| Body Fluid License (B) | 0 | Included | 0 | Included | Included |
| Fluorescent Platelet (P) | 0 | 0 | Included | Included | Included |
| WPC Channel | 0 | 0 | 0 | 0 | Included |
| Floor-standing wagon option | ← Available → | | | | |
| Analyzer Dimensions | ← 20.5" (W) X 26.6" (D) X 33.0" (H); 150LBS → | | | ← 25.4" (W) X 29.7" (D) X 33.7" (H); 172 LBS → | |



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| Analyzer on Wagon Dimensions | ← 25.4" (W) X 36.8" (D) X 61.5" (H); 350 LBS → |
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