

Automated Hematology Analyzer with Blood Bank mode

XN-10™

Cell counts and residual
white blood cell testing



When processing life-saving products, confidence in their quality is priceless



Designed specifically for blood centers

The XN-10 Automated Hematology Analyzer with Blood Bank mode is the latest analyzer from Sysmex that's made with your lab in mind. The XN-10 with Blood Bank mode effortlessly switches from a whole blood CBC analyzer to a blood product cell counter, all using the advanced technology that makes Sysmex a leader in hematology.

Donor or product testing....you choose

Blood centers know that product quality depends on the donor. That's why the XN-10 with Blood Bank mode offers Sysmex's complete blood count and Advanced Clinical Parameters for comprehensive testing of blood donors, then quickly and easily becomes a blood product analyzer, offering RBC and platelet counts on blood product segments.

- Provides residual WBC count when analyzing RBC and platelet products in the Blood Bank (BB) mode.
- Fluorescent flow cytometry provides comprehensive reticulocyte panel including Immature Reticulocyte Fraction (IRF) and Reticulocyte Hemoglobin Equivalent (RET-He).
- Platelet-specific stain greatly reduces interference from WBC and RBC fragments to provide accurate platelet counts.

Adaptability made for blood processing centers

The XN-10 with Blood Bank mode is designed to take on workload challenges with a single module (XN-1000BB) or twin analyzer (XN-2000BB) configurations. The analyzers can be placed on your laboratory benchtop or can be installed on wagons, which are designed to hold the required reagents and the analyzer's Information Processing Unit (IPU).

To increase efficiency and conserve storage space, the RU-20™ Reagent Unit can be added to either configuration. The concentrated reagent is diluted by the RU-20, reducing the frequency of reagent changes.

Flexible aspiration options

Aspiration in the Blood Bank mode is flexible. Product testing can be performed on an aliquot as little as 260 μ L, and can be aspirated manually or from a sampler rack through the automated sampler. The XN-10 with Blood Bank mode also offers a Low WBC mode and Pre-Dilution mode for whole blood testing.

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>Blood Bank mode: WBC, RBC, HGB, HCT, PLT (PLT-F)</p>
Capacity & Throughput	<p>Bidirectional, continuous-feed sampler holds up to 50 samples (5 X 10-tube rack) Whole Blood mode: 100 samples/hour/unit</p> <p>Blood Bank Mode: RBC component - 79 samples/hour without WBC; 33 samples/hour with WBC PLT component - 62 samples/hour without WBC; 19 samples/hour with WBC</p>
Sample Aspiration Volume	<p>Whole Blood mode: 88 µL RBC Pack measurement: 150 µL PLT Pack measurement: 205 µL Pre-dilute Mode: 70 µL</p>
Quality Control	<p>XN CHECK™: complete tri-level QC product for all CBC, Diff, RET and PLT parameters Platelet CHECK™: bi-level QC product for Blood Bank mode XN CHECK BFT™ - bi-level QC product for WBC in Blood Bank Mode Comprehensive QC files including current and new lot feature 99 total files including 5 X-barM files Insight™ web-based Interlaboratory Quality Assessment Program (IQAP)</p>

Configurations

XN-1000-BB



XN-2000-BB



Analyzer Dimensions

25.4" W X 33.7" H X 29.7" D

37.8" W X 33.7" H X 29.7" D



Analyzer Dimensions with Wagon

25.4" W X 61.5" H X 36.8" D



41.5" W X 61.7" H X 38" D

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