

# XN-10™

## Automated Hematology Analyzer with Blood Bank Mode



### Brief Product Description

The XN-10 Automated Hematology Analyzer with Blood Bank mode is a dual-purpose hematology analyzer from Sysmex that is FDA-cleared to perform cell counts on whole blood as well as red blood cell and platelet products for blood banks and blood centers. A residual white blood cell count may be selected when performing cell counts in the Blood Bank mode.

### Principles and Technology

Fluorescent flow cytometry using a semi-conductor laser and hydrodynamic focusing in dedicated channels

### Channels



### Parameters

#### Whole Blood Mode:

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%

#### Blood Bank Mode:

WBC; RBC; HGB; HCT; PLT (PLT-F)

### Throughput

Whole Blood Mode: up to 100 samples/hour per module

#### 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

### Sample Volume

Whole Blood measurement: 88  $\mu$ L  
RBC Pack measurement: 150  $\mu$ L  
PLT Pack measurement: 205  $\mu$ L

### Linearity

WBC\* (Whole Blood mode): 0.00 - 440.00  $\times 10^3/\mu$ L  
Residual WBC ("RES Cell" in Blood Bank mode): 0.0000 - 0.3500  $\times 10^3/\mu$ L  
RBC: 0.00-8.60  $\times 10^6/\mu$ L  
PLT: 0-5,000  $\times 10^3/\mu$ L

*\*not available in blood bank mode*

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<b>Quality Control</b>	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 Comprehensive QC files including current and new lot feature 99 Total files including five X-barM files <i>Insight</i> ™ web-based Interlaboratory Quality Assessment Program (IQAP)
<b>Dimensions and Weight</b>	25.4" (W) X 29.7" (D) X 33.7" (H); 172 LBS

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