**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 μL
RBC Pack measurement: 150 μL
PLT Pack measurement: 205 μL

**Linearity**
WBC* (Whole Blood mode): 0.00 - 440.00 X 10^3/μL
Residual WBC (“RES Cell” in Blood Bank mode): 0.0000 - 0.3500 X 10^3/μL
RBC: 0.00-8.60 X 10^6/μL
PLT: 0-5,000 X 10^3/μL

*not available in blood bank mode
Quality Control
- 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
- Insight™ web-based Interlaboratory Quality Assessment Program (IQAP)

Dimensions and Weight
- 25.4" (W) X 29.7" (D) X 33.7" (H); 172 LBS

XN-10 with Blood Bank mode