

## Research Use Only Automated Hematology Analyzer

# XN-30™

*\*For research use only. Not for use in diagnostic procedures.*



### Brief Product Description

Based on technology principles used in the popular XN-Series™ analyzers, the XN-30 RUO offers traditional CBC parameters in addition to a malaria-infected red blood cell count (MI-RBC) as well as additional platelet parameters (PDW = Platelet distribution width, P-LCR = Platelet-large cell ratio, PCT = Plateletcrit). In as little as one minute, the XN-30 RUO can report the level of parasitemia in an EDTA sample with a sensitivity as low as 20 MI-RBC/ $\mu$ L.

- Benchtop or floor model with wagon, capable of open or closed tube sampling.

### Principles and Technology

WBC and malaria-infected red blood cells (MI-RBC): fluorescence flow cytometry using a violet semi-conductor laser and hydrodynamic focusing

Red Blood Cells and platelets: impedance

Hemoglobin: SLS-hemoglobin method

### Reagents

CELLPACK™ DCL: diluent

SULFOLYSER™: hemoglobin lyse

Lysercell™ M: WBC/MI-RBC lyse

Fluorocell™ M: WBC/MI-RBC stain

### Channels



### Parameters

#### Whole Blood:

WBC; RBC; HGB; HCT; MCV; MCH; MCHC; PLT; RDW-SD; RDW-CV; MPV; MI-RBC#; MI-RBC%; PDW; PCT; P-LCR

### Throughput

Whole Blood: 60 samples/hour

Low Malaria Mode: 55 samples/hour

### Aspiration Volume

Whole Blood Mode: 60  $\mu$ L

Pre-Dilute Mode: 70  $\mu$ L

---

## Quality Control

- XN CHECK™ GL: complete tri-level QC product for all CBC and MI-RBC parameters
- Comprehensive QC files including current and new lot feature
- 99 total files including 5 X-barM files

---

## Dimensions and Weight

Tabletop Configuration: 20.5" (W) X 26.8" (D) X 33.1" (H)  
On Wagon: 25.8" (W) X 38.0" (D) X 61.1" (H)  
154.3 LBS (XN-30 ONLY)

---

### Sysmex Corporation

1-5-1-Wakoinohama-Kaigandori Chuo-ku, Kobe 651-0073, Japan · Phone +81 78 265-0521 · [www.sysmex.co.jp](http://www.sysmex.co.jp)

### Sysmex America, Inc.

577 Aptakisic Road, Lincolnshire, IL 60069, U.S.A. · Phone +1 800 379-7639 · [www.sysmex.com/us](http://www.sysmex.com/us)

### Sysmex Canada, Inc.

5700 Explorer Drive Suite 200, Mississauga, ON L4W0C6 Canada · Phone +1 905 366-7900 · [www.sysmex.ca](http://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](http://www.sysmex.com.br)