

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/ μ 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 μ L

Pre-Dilute Mode: 70 μ 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)

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