

Research Use Only Automated Hematology Analyzer

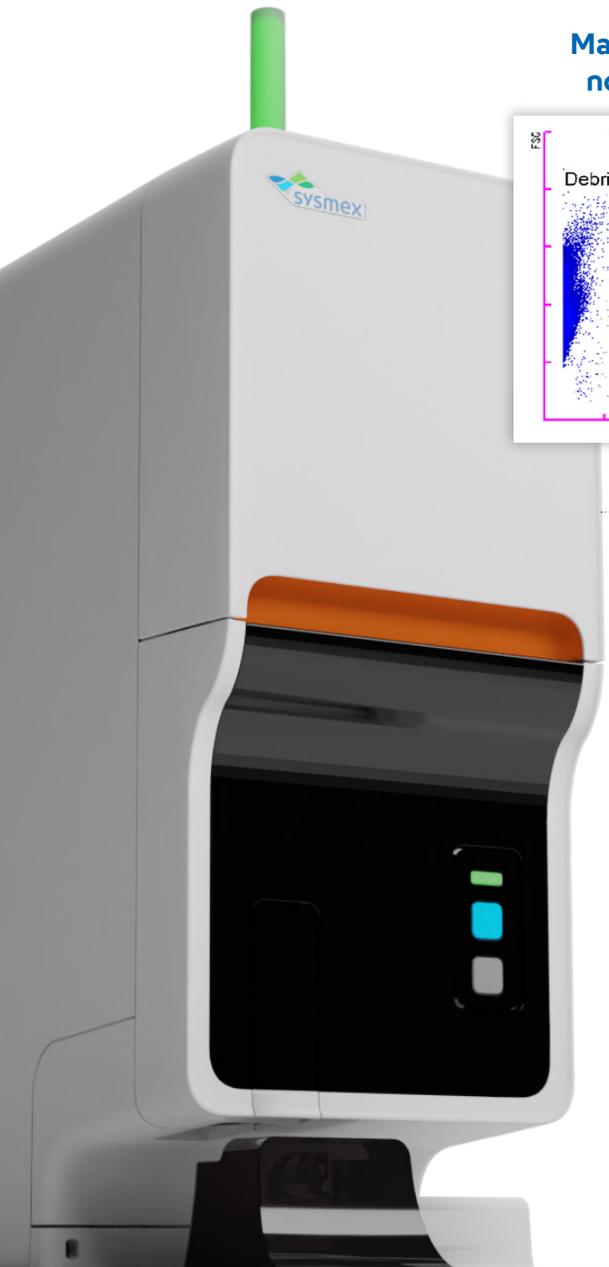
XN-30™

Reliable detection of
P. falciparum

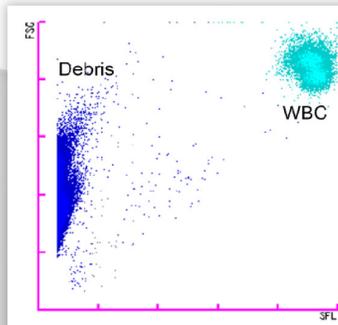


Introducing the XN-30 Research Use Only Automated Hematology Analyzer for Malaria Detection

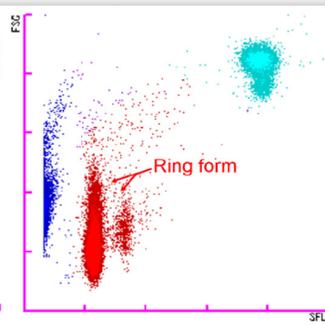
Based on technology principles used in the popular XN-Series™ analyzers, the XN-30 RUO offers standard CBC parameters in addition to a malaria-infected red blood cell (MI-RBC) count and expanded PLT parameters. In as little as one minute, the XN-30 RUO can report the level of parasitemia in an EDTA sample with a sensitivity as low as 20 MI-RBC/ μ L. Additionally, specialized reagents and advanced algorithms allow the XN-30 RUO to differentiate *P. falciparum* from non-falciparum species and determine the life cycle staging of the parasites detected.



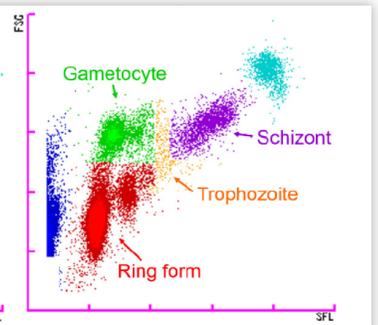
Malaria species not detected



***P. falciparum* positive**

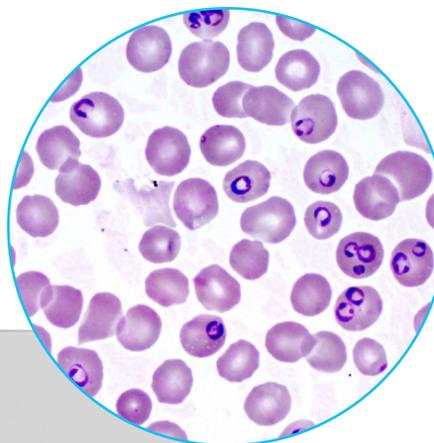


Malaria species detected



● Innovation You Expect from Sysmex

Clinical laboratories depend on Sysmex's innovative technology and reliable analyzer performance to provide workflow efficiency and enhance staff productivity. The XN-30 RUO delivers those benefits to research labs that are currently performing manual microscopy for detection of malaria or relying on qualitative rapid diagnostic tests to screen symptomatic patients. Using fluorescent stains and flow cell technology, the XN-30 RUO standardizes detection and enumeration of intracellular malarial parasites, and with three levels of quality control material available, your staff can be confident in the results.



Microscopic image of malarial parasites in blood

Simple, Standardized Malaria Screening Using Advanced Technology



The XN-30 RUO analyzer is the first high-throughput automated analyzer to enumerate malaria-infected red blood cells.



Get reliable results from the XN-30 RUO analyzer's fluorescent flow cytometry technology.



Minimal training needed unlike current microscopy and PCR methods.

Specifications

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/μL.

- 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 uL

Pre-Dilute Mode: 70uL

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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