

Automated Hematology Analyzer

# XW™-100

A CLIA-Waived  
CBC is now possible



Together for a better  
healthcare journey

RxOnly



The  
XW™-100



## Technology is evolving

Tests that once required a central lab can now be performed at the point of care.

These changes are benefiting both patients and providers through faster results which can:

- Expedite diagnosis and treatment
- Improve patient satisfaction
- Streamline workflow

## A history of firsts

Sysmex, a global leader in hematology, introduced our first blood counter in 1963 and the first automated hematology system in 1988.

Today, Sysmex continues to meet the high standards that healthcare professionals require and expect.

The XW-100 is the first FDA-cleared, CLIA-waived CBC analyzer to provide reliable, convenient, and often, same-visit CBC results. A 15  $\mu$ L venous blood sample is required. The sample-to-result time is just 3 minutes.

# Simple to Use and Maintain



Previously, CBC testing required sending samples to a lab for results. The Sysmex XW-100 has changed that. The CLIA-waived designation ensures that it's simple to use, has a low risk of providing erroneous results, and can be operated without additional training beyond simply reading the manufacturer's instructions and following the on-screen prompts.

The Sysmex XW-100 can be an especially good fit for your well patient visits. It is very compact; both the analyzer and its reagents can fit on a countertop. Daily QC takes less than 30 minutes.

## Valuable information

The Sysmex XW-100 offers a 3-part differential with 12 different parameters:

- Total #WBCs
- Total #RBCs
- Hemoglobin
- Hematocrit
- Total #platelets
- Total #neutrophils
- % of neutrophils
- Total #lymphocytes
- % of lymphocytes
- Total #other WBCs
- % of other WBCs
- MCV

The Sysmex XW-100 is not for use in diagnosing or monitoring patients with primary or secondary chronic hematologic diseases/disorders, oncology patients, critically ill patients, or children under the age of two.

## Same-visit CBC. It is possible

**1** Prior to or during the examination, the patient's blood is drawn and the CBC is performed in your office.



### SYSMEX XW-100 RESULTS (NON-SUPPRESSED)

Instrument type XW100  
Serial # G2884

Date Jan 14, 2019  
Time 10:21 AM  
Operator DS

Patient ID 5832  
Patient DOB Aug 24, 1946

WBC  $6.7 \times 10^3/\mu\text{L}$   
RBC  $4.44 \times 10^6/\mu\text{L}$   
HGB 12.3 g/dL  
HCT 37.1 %  
PLT  $227 \times 10^3/\mu\text{L}$

#Neut  $3.9 \times 10^3/\mu\text{L}$   
%Neut 58.4 %

#Lymph  $2.2 \times 10^3/\mu\text{L}$   
%Lymph 32.3 %

#OtherWBC  $0.6 \times 10^3/\mu\text{L}$   
%OtherWBC 9.3 %

MCV 83.6 fL

#### NOTES

#### Adult Reference Ranges

WBC  $3.9 - 10.4 \times 10^3/\mu\text{L}$   
RBC  $3.71 - 5.52 \times 10^6/\mu\text{L}$   
HGB 10.9 - 16.7 g/dL  
HCT 32.5 - 49.4 %  
PLT 148 -  $382 \times 10^3/\mu\text{L}$   
#Neut  $2.2 - 7.1 \times 10^3/\mu\text{L}$   
%Neut 46.4 - 76.9 %  
#Lymph  $0.9 - 3.4 \times 10^3/\mu\text{L}$   
%Lymph 14.7 - 45.9 %  
#OtherWBC  $0.2 - 1.2 \times 10^3/\mu\text{L}$   
%OtherWBC 3.2 - 16.9 %  
MCV 82.5 - 98.0 fL

-----End-Report-----

**2** CBC results are now available to discuss with your patient which allows for potential treatment decisions on the same visit.



**3** Obtaining results with the XW-100 can help improve efficiency which may ultimately improve your bottom line and increase patient satisfaction.



**PRACTICE EFFICIENCY  
+  
PATIENT SATISFACTION**

## Performs exactly as designed

The Sysmex XW-100 reports 12 parameters and normal reference ranges. It is a CLIA-waived analyzer that is factory calibrated and it will not report values that might be inaccurate.

# Protecting you and your patients

The complexity of the sample and underlying patient conditions may result in suppression of results. Parameters outside a given range (see Clinician's guide for linearity) will appear as four asterisks (\*\*\*\*) in place of the results. The Sysmex XW-100 is designed to protect your patients and your practice from inaccurate results.

For more information, review the [Sysmex XW-100 Quick Guide](#) or visit [CBCin3.com](http://CBCin3.com).



**SYSMEX XW-100 RESULTS**  
 (SUPPRESSED)

Instrument type XW100  
 Serial # G2883

Date Jan 14, 2019  
 Time 12:16 PM  
 Operator MKZ

Patient ID 1675  
 Patient DOB May 26, 1972

WBC	6.2 × 10 <sup>3</sup> /μL
RBC	4.36 × 10 <sup>6</sup> /μL
HGB	****
HCT	****
PLT	344 × 10 <sup>3</sup> /μL

#Neut	4.4 × 10 <sup>3</sup> /μL
%Neut	71.3 %

#Lymph	1.6 × 10 <sup>3</sup> /μL
%Lymph	25.6 %

#OtherWBC	0.2 × 10 <sup>3</sup> /μL
%OtherWBC	3.1 % Low

MCV \*\*\*\*

NOTES

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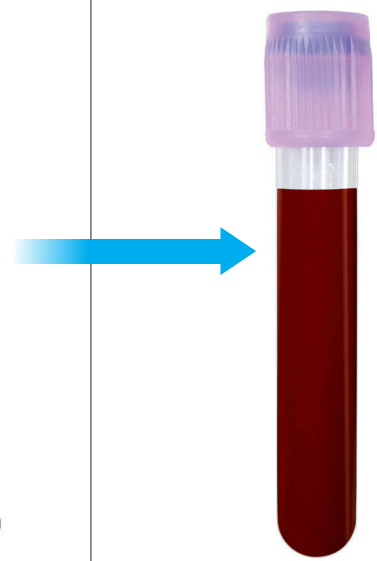
RECOMMEND FURTHER TESTING.

Adult Reference Ranges

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WBC	3.9 - 10.4 × 10 <sup>3</sup> /μL
RBC	3.71 - 5.52 × 10 <sup>6</sup> /μL
HGB	10.9 - 16.7 g/dL
HCT	32.5 - 49.4 %
PLT	148 - 382 × 10 <sup>3</sup> /μL
#Neut	2.2 - 7.1 × 10 <sup>3</sup> /μL
%Neut	46.4 - 76.9 %
#Lymph	0.9 - 3.4 × 10 <sup>3</sup> /μL
%Lymph	14.7 - 45.9 %
#OtherWBC	0.2 - 1.2 × 10 <sup>3</sup> /μL
%OtherWBC	3.2 - 16.9 %
MCV	82.5 - 98.0 fL

-----End Report-----



Rerun sample if device alerts to do so. If results are still suppressed, send sample out as per your standard protocol.

## XW-100 intended use

The Sysmex XW-100 Automated Hematology Analyzer (XW-100) is a quantitative automated hematology analyzer intended for in vitro diagnostic use to classify and enumerate the following parameters from venous whole blood anticoagulated with K2/K3 EDTA: WBC, RBC, HGB, HCT, PLT, #NEUT, %NEUT, #LYM, %LYM, #OTHER WBC, %OTHER WBC, MCV. It is not for use in diagnosing or monitoring patients with primary or secondary chronic hematologic diseases/disorders, oncology patients, critically ill patients, or children under the age of two.

## Specifications

<b>Test Principle</b>	DC (direct current) with hydrodynamic focusing for all parameters except hemoglobin, which is measured photometrically
<b>Sample Type</b>	Venous whole blood
<b>Sample Volume</b>	Approximately 15 $\mu$ L (1mL of sample in the tube and 15 $\mu$ L to aspirate)
<b>Data Storage</b>	100 test cycles
<b>Size and Weight</b>	7.3" (W) x 18.1" (D) x 13.8" (H); 38 lbs
<b>Reagents</b>	XW pack™ D (2 X 2 L); XW pack™ L (2 X 250 mL)
<b>Storage</b>	All XW-100 reagents, XW CELLCLEAN™ and XW QC CHECK™ should be stored at room temperature (59° – 77° F or 15 – 25° C).
<b>Quality Control</b>	<p>Three levels of QC must be performed as follows:</p> <ul style="list-style-type: none"> <li>• Every 8 hours of instrument use</li> <li>• When a new lot of reagent is used</li> <li>• After completing weekly care</li> </ul> <p>The system will prompt users when QC is required and will not allow patient samples to be tested until QC is performed.</p>

## Sysmex Part Numbers and Description

Material Number	Product
XW100-CALIB	XW-100 Calibrated
BL551785	XW CELLCLEAN (20 vials)
224032	XW QC CHECK (6X2.0 mL)
ZA900005	XW pack D (2X2,000 mL)
ZA900006	XW pack L (2X 250 mL set)

## Consumables

Material Number	Product
HEMPOCHIPAPER	.25" x 55" white thermal paper 3 pack
44230318	SAMPLE TUBE ADAPTER (CREAM/13MM DIA)
44230512	SAMPLE TUBE ADAPTER (GREEN/CONTROL)
02324415	CUBITAINER SPOUT KIT NO.5 (fits D pack)
03304111	CUBITAINER SPOUT KIT NO.7 (fits L pack)

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