

HemoCue® WBC DIFF System

The HemoCue® WBC DIFF System is an In Vitro Diagnostic system designed for quantitative determination of white blood cells. The system provides values for a total white blood cell (WBC) count as well as a 5 part differential WBC count, including neutrophils, lymphocytes, monocytes, eosinophils and basophils. The HemoCue® WBC DIFF System can be used with HemoCue® WBC DIFF Microcuvettes for a total and five part differential WBC count, and with HemoCue® WBC Microcuvettes for a total WBC count. The analyzer is factory calibrated and needs no further calibration.



Data HemoCue® WBC DIFF Analyzer

Method	Image and picture analysis
Measurement range	Total WBC count $0.3-30.0 \times 10^9/L$ ($300-30000/mm^3$, $300-30000/\mu L$) The differential count will be presented when the total count is between $1.0-30.0 \times 10^9/L$ ($1000-30000/mm^3$, $1000-30000/\mu L$)
Measurement time	< 5 minutes
Units	$\times 10^9/L$ ($/mm^3$, $/\mu L$)
Size	188x157x155 mm (7.40x6.18x6.10 inches)
Weight	1300 g (2.87 lbs), including batteries
Power	6 C (LR14/HR14) batteries or power adapter recommended by HemoCue
Quality control	Automatic internal quality control (self-test)
Temperatures	Storage temperature 4-50 °C (39-122 °F).
Data Management	Date, time, patient ID, Lab ID, Operator ID, Site ID, Control ID
Storage of data	600 results
Connectivity	POCT1-A over Ethernet connection

Data HemoCue® WBC DIFF Microcuvettes

Chemistry method	Hemolysis of red cells and color staining of white cells
Sample material	Capillary or venous (EDTA) whole blood
Sample volume	10 μL
Temperatures	Storage temperature 15-35°C (59-95°F).

Operating temperatures of the HemoCue® WBC DIFF System

For optimal performance of the HemoCue® WBC DIFF system the operating temperature should be:

Venous/capillary sample in EDTA tube 18-30 °C (64-86 °F) < 90% non-condensing humidity.
Capillary sample from finger puncture 18-25 °C (64-77 °F) < 90% non-condensing humidity.

Shipping and storage of HemoCue WBC and WBC DIFF Microcuvettes

Shipping and storage

The HemoCue WBC and WBC DIFF Microcuvettes are to be stored at room temperature 15-35 °C (59-95 °F), < 90% non-condensing humidity. An unopened vial/package of microcuvettes can be stored outside the specified storage conditions down to 4 °C (39 °F), and up to 50 °C (122 °F) for a shorter period of time (4 weeks). Microcuvettes shipped to HemoCue distributors are transported in non-temperature regulated packages.

End user storage

Store the HemoCue WBC and WBC DIFF Microcuvettes in their vial/package at room temperature 15-35 °C (59-95 °F), < 90% non-condensing humidity.

Individually packed HemoCue® WBC DIFF Microcuvettes

Each individually packed microcuvette is stable until the expiry date printed on each package.

HemoCue® WBC Microcuvettes in vial

The microcuvettes are stable in an unopened vial until the expiry date printed on each vial.

Recommended procedure for handling of the HemoCue WBC and WBC DIFF Microcuvettes

Use the microcuvettes prior to the expiry date. All unused microcuvettes should remain in the original package.

HemoCue® WBC DIFF Microcuvettes

The microcuvettes are stable until the expiry date printed on each package.

HemoCue® WBC Microcuvettes

Once the seal of the vial is broken, the microcuvettes are stable for 3 months. Only remove the microcuvette required for immediate use from the vial. Always make sure that the lid of the vial is completely and securely closed.