

HC-5000

Fully Automatic 5-Part Hematology Analyzer

Compact CBC+DIFF workflow with 3-angle laser scattering and 3D cell analysis

— Designed for efficient routine hematology

- Up to **60 samples per hour** with CBC+DIFF analysis.
- Reports **25 parameters** plus 4 study parameters, with scatter plots and histograms.
- Supports venous whole blood, peripheral whole blood and pre-diluted peripheral blood.
- Uses semiconductor laser scattering, flow cytometry, electrical impedance and cyanide-free HGB measurement.
- 10.4-inch LCD touch screen supports direct operation without an external computer.



60 samples/hour	≤20 uL CBC+DIFF sample	25 reported parameters	100,000+ result storage
--------------------	---------------------------	---------------------------	----------------------------

Product availability and regulatory status may vary by market. Confirm local requirements before ordering.

Technical overview

Specifications based on the supplied product literature; subject to confirmation.

— Measurement

- Mode: CBC+DIFF
- Speed: 60 samples/hour
- Sample volume: ≤ 20 μ L
- Sample modes: venous whole blood, peripheral whole blood and pre-diluted peripheral blood
- Reported parameters: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PCT, PDWP-LCR, P-LCC, NEU%, LYM%, MON%, EOS%, BAS%, NEU#, LYM#, MON#, EOS#, BAS#
- Study parameters: ALY%, ALY#, LIC%, LIC#

— Technology and workflow

- Semiconductor 3-angle laser scattering and flow cytometric techniques
- Three-dimensional scatter plot analysis for cell classification
- Electrical impedance measurement
- Cyanide-free HGB measurement
- Two scatter plots, one 3D scatter plot, one WBC/BASO scatter plot, RBC and PLT histograms
- Two-way LIS with HL7 protocol; 1 network port and 2 USB ports
- Optional external USB printer, Wi-Fi and built-in RFID reader

— Physical and operating data

Dimensions	280 x 470 x 460 mm
Weight	Approx. 22 kg
Touch screen	10.4-inch, 800 x 600
Power input	AC 100-240 V, 50/60 Hz
Temperature	10-30 C
Humidity	20-85%
Atmospheric pressure	70-106 kPa
Altitude	≤ 2000 m

— Performance

Item	Linear range	Carryover	CV
WBC	0-100 x 10 ⁹ /L	$\leq 0.5\%$	$\leq 2.0\%$
RBC	0-8 x 10 ¹² /L	$\leq 0.5\%$	$\leq 1.5\%$
HGB	0-250 g/L	$\leq 0.6\%$	$\leq 1.5\%$
PLT	0-1000 x 10 ⁹ /L	$\leq 1.0\%$	$\leq 4.0\%$

Wisenz Biotech Limited

info@ysenzdiagnostix.com

Room 13, 7/F, House of Corona, 50 Hung To Road,
Kwun Tong, Kowloon, Hong Kong