

Huma 5000

Multifunctional Blood Analyzer

AI microscopic imaging for compact, integrated blood-cell analysis

25

Reportable parameters

10 μ L

Sample volume

8 min

Time per sample

100,000

Record storage

Compact workflow. Clear cellular insight.

- AI microscopic imaging supports WBC, RBC and PLT analysis
- Cell morphology, texture and internal details remain visible
- POCT-style integrated design with no liquid circuit
- User-friendly 10.1-inch color touchscreen and Android software
- Automatic reporting with support for Bluetooth printing



Designed for practical testing sites

Maintenance-free architecture

No waste-liquid disposal

Compact 5.6 kg platform

25 reportable parameters

A structured WBC, RBC and platelet profile for routine clinical hematology workflows.

WBC GROUP | 11

WBC, NEU#, LYM#, MON#, EOS#, BAS#, NEU%, LYM%, MON%, EOS%, BAS%

RBC GROUP | 8

RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV

PLT GROUP | 6

PLT, MPV, PDW, PCT, P-LCC, P-LCR

Reliable analytical performance

PARAMETER	TEST RANGE	REPEATABILITY	CARRYOVER
WBC	3.5-15 $\times 10^9/L$	$\leq 4.0\%$	$\leq 0.5\%$
RBC	3.50-6.00 $\times 10^{12}/L$	$\leq 3.0\%$	$\leq 0.5\%$
HGB	110-180 g/L	$\leq 2.5\%$	$\leq 0.6\%$
PLT	125-500 $\times 10^9/L$	$\leq 8.0\%$	$\leq 1.0\%$
MCV	70-120 fL	$\leq 2.0\%$	-

Clinical comparison

Supplied data show strong agreement with established hematology reference systems across key parameters.

Source literature reports a comparison sample size of $n=120$.

Simple four-step operation

01

Sampling

10 uL capillary blood

02

Add sample

Single testing pack

03

Testing

Automated analysis

04

Reporting

Clear digital results

Technical specifications

PRINCIPLE	AI microscopic imaging for WBC, RBC and PLT; colorimetry for HGB	DISPLAY	10.1-inch color LED screen
SAMPLE VOLUME	10 uL	PRINTER	Bluetooth printing supported
SAMPLE TYPE	Venous blood or capillary blood	DIMENSIONS	274 (L) x 245 (W) x 415 (H) mm
THROUGHPUT	8 minutes per sample	WEIGHT	5.6 kg
STORAGE	100,000 test records	HEMATOLOGY REAGENTS	Single testing pack
SYSTEM SOFTWARE	Android 12		

Specifications are based on supplied product literature and should be verified for each market and configuration.