

Technical Specifications

Principles

Impedance method for RBC and PLT counting
Cyanide free reagent for hemoglobin test
Flow Cytometry (FCM) + Laser scatter + Chemical dye method for WBC 5-part differential analysis and WBC counting

Parameters

23 parameters: WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT.
3 Histograms for WBC, RBC and PLT
3 scattergrams for differential

Reagent

Diluent, DIFF lyse, LH lyse, probe cleanser

Performance

Parameter	Linearity Range	Precision	Carryover
WBC	0-100×10 ⁹ /L	≤2% (4-15×10 ⁹ /L)	≤0.5%
RBC	0-8×10 ¹² /L	≤1.5% (3.5-6.0×10 ¹² /L)	≤0.5%
HGB	0-250g/L	≤1.5% (110-180g/L)	≤0.6%
PLT	0-1000×10 ⁹ /L	≤6.0% (100-149×10 ⁹ /L) ≤4.0% (150-500×10 ⁹ /L)	≤1.0%

Sample Volume

Prediluted mode	20 μL
Whole blood mode	15 μL
Capillary Whole blood mode	15 μL

Throughput

40 samples per hour

Display

10.4 inch TFT Touch Screen

Multi-language

Chinese, English, French, Spanish, Portuguese and Russian

Data Storage Capacity

Up to 20,000 results including numeric and graphical information

Communication

LAN Port supports HL7 protocol

Interface

USB, LAN

Support bi-directional LIS

Printout

External Thermal printer / Laser printer / Inkjet printer, various printout formats and User-defined formats

Operating Environment

Temperature: 10°C~30°C

Humidity: 20%~85%

Air pressure: 70 kPa~106 kPa

Power requirement

100V-240V

50Hz/60Hz

Dimension and Weight

Depth*width*height: 400mm*320mm*410mm

Weight :24kg

BC-5000

Auto Hematology Analyzer

