

## 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

25 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, P-LCR, P-LCC.  
4 Research parameters include LIC%, LIC#, ALY%, ALY#  
3 Histograms for WBC, RBC and PLT  
3 scattergrams for WBC differential

### Reagent

Diluent, DIFF lyse, LH lyse, probe cleanser

### Performance

Parameter	Linearity Range	Precision	Carryover
WBC	0-500×10 <sup>9</sup> /L	≤2% (4-15×10 <sup>9</sup> /L)	≤0.5%
RBC	0-8×10 <sup>12</sup> /L	≤1.5% (3.5-6.0×10 <sup>12</sup> /L)	≤0.5%
HGB	0-250g/L	≤1.5% (110-180g/L)	≤0.6%
PLT	0-5000×10 <sup>9</sup> /L	≤6.0% (100-149×10 <sup>9</sup> /L) ≤4.0% (150-500×10 <sup>9</sup> /L)	≤1.0%

### Sample Volume

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

### Throughput

60 samples per hour

### Display

10.4 inch TFT Touch Screen

### Multi-language

Chinese, English, French, Spanish, Portuguese and Russian

### Data Storage Capacity

Up to 40,000 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-5150

Auto Hematology Analyzer

