

# BC-5150

## Auto Hematology Analyzer

### 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 4-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	≤4.0% (100-500×10 <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

#### Data Storage Capacity

Up to 40,000 results including numeric and graphical information

#### Communication

LAN Port supports HL7 protocol

#### Interface

USB, LAN

Support Uni- or bi-directional LIS

#### Printout

External 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



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**mindray**  
healthcare within reach

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