

# BC-5130

## Auto Hematology Analyzer

### Technical Specifications

#### Principles

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

#### Parameters

25 reportable 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.  
10 Research parameters include LIC%, LIC#, ALY%, ALY#, PLT Clumps#, PLT Clumps%, Lip#, Lip%, NRBC#, NRBC%  
3 histograms for WBC, RBC and PLT  
3 scattergrams for WBC differential

#### Reagent

M-52D Diluent, M-52DIFF lyse, M-52LH 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)<br>≤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, Spanish, Portuguese, Russian, French, Bahasa Indonesia

#### Data Storage Capacity

Up to 150,000 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: 70kPa~106kPa

#### Power requirement

100V-240V  
50Hz/60Hz

#### Dimension and Weight

Depth\*width\*height: 400mm\*320mm\*410mm  
Weight: 24kg



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# A “CUTE” 5-part



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