

# BC-20

## Auto Hematology Analyzer

### Technical Specifications:

- Principles**

Impedance method for WBC, RBC and PLT counting  
Cyanide free reagent for hemoglobin test
- Parameters**

20 parameters: WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR  
3 histograms for WBC, RBC and PLT
- Reagent**

M-30D DILUENT  
M-20CFL LYSE  
PROBE CLEANSER
- Sample Volume**

|                  |       |
|------------------|-------|
| Prediluted mode  | ≤20μL |
| Whole blood mode | ≤9 μL |
- Performance**

| Parameter                | Linearity Range | Precision (CV %)                    | Carryover |
|--------------------------|-----------------|-------------------------------------|-----------|
| WBC(10 <sup>9</sup> /L)  | 0-100           | ≤3.5% (4.0-6.9)<br>≤2.0% (7.0-15.0) | ≤0.5%     |
| RBC(10 <sup>12</sup> /L) | 0-8.00          | ≤2.0% (3.50-6.5)                    | ≤0.5%     |
| HGB(g/L)                 | 0-280           | ≤1.5% (100-180)                     | ≤0.5%     |
| MCV(fL)                  |                 | ≤1.0% (70.0-110.0)                  | ≤0.5%     |
| PLT(10 <sup>9</sup> /L)  | 0-1000          | ≤5.0% (100-500)                     | ≤1.0%     |
- Throughput**

40 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 100,000 results including numeric and graphical information
- Communication**

LAN Port supports HL7 protocol  
Support bi-directional LIS

- Interface**

4 USB ports (for external printer, software upgrade, barcode reader, external WIFI, keyboard and mouse), LAN port (1)
- Printout**

Thermal recorder, 50 mm wide paper, various printouts formats
- Power Requirement**

Temperature: 15°C~30°C  
Humidity: 10%~90%  
Air pressure: 70kPa ~ 106kPa
- Power Requirement**

(100V-240V)±10%  
≤180VA  
(50Hz/60Hz) ±1 Hz
- Dimension and Weight**

Dimension: Depth (410 mm) x width (300 mm) x height (400 mm)  
Weight: ≤20Kg



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Minimum Size, Maximum Capability

