

# 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 CLEANER

#### Sample Volume

Prediluted mode ≤20µL  
Whole blood mode ≤9µL

#### Performance

Parameter	Linearity Range	Precision (CV %)	Carryover
WBC(10 <sup>9</sup> /L)	0-100	≤3.5% (4.0-6.9) ≤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) ±1Hz

#### Dimension and Weight

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



## BC-20

### Auto Hematology Analyzer

Minimum Size, Maximum Capability

## Gives you confidence in results

Advanced detailed flag information provides warning in case of abnormal cell results. High quality original reagent calibrator and quality controls maintain your work at a high level. We integrate technologies into our products to fulfill your clinical needs, therefore, today, Mindray products and services are used by healthcare facilities in over 190 countries and regions. More and more customers choose Mindray products and trust Mindray's quality.



- CBC+3-DIFF, 20 parameters+3 Histograms
- Throughput: up to 40 samples per hour
- 10.4 inch TFT touch screen
- Only three reagents needed
- Detailed flag information
- Large storage capacity: up to 100,000 samples
- Sample volume is only 9 $\mu$ L which is ideal for pediatrics



## Gives you more time to work

Smart and intuitive software bring your productivity to a new level. The 10.4 inch TFT touch screen makes operations easy and flexible, maximizing your productivity. The incredible 400,000 storage capacity gives you a worry-free solution to managing previous patients' data. The smart software can detect and remove operational errors, as well as run automatic maintenance with a single click.

## Gives you less downtime

Quality and user experience are top priorities for Mindray. We design and manage our manufacturing processes in compliance with FDA, ISO and CE. Complete quality control systems in Mindray's manufacturing centers ensure we exceed the most stringent criteria and traceability throughout the entire process. Our professional and responsive support team makes sure your **systems are kept at full capability.**



Smallest

Convenience fast

Perfect for pediatric samples