

# BC-20s

Auto Hematology Analyzer

## Minimum Size Maximum Capability



## Technical Specifications

### Principles

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

### Performance

Parameter	Linearity Range	Precision (CV %)	Carryover
WBC( $10^9/L$ )	0-100	$\leq 2\%$ (7.0-15.0)	$\leq 0.5\%$
RBC( $10^{12}/L$ )	0-8.00	$\leq 1.5\%$ (3.5-6.5)	$\leq 0.5\%$
HGB(g/L)	0-280	$\leq 1.5\%$ (100-180)	$\leq 0.5\%$
PLT( $10^9/L$ )	0-1000	$\leq 4.0\%$ (150-500)	$\leq 1.0\%$

### Parameters

19 parameters: WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT  
3 histograms for WBC, RBC and PLT  
2 research parameters: NLR, PLR

### Reagent

M-30D DILUENT  
M-30CFL LYSE  
PROBE CLEANSER

### Sample Volume

Prediluted mode 20 $\mu$ L  
Whole blood mode 9  $\mu$ L

### Throughput

40 samples per hour

### Display

8.4 inch TFT Touch Screen

### Data Storage Capacity

Up to 200,000 results including numeric and graphical information

### Communication

LAN Port supports HL7 protocol  
Support bi-directional LIS

### Interface

4 USB port (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  
External printer optional

### Operating Environment

Temperature: 10°C~35°C  
Humidity: 10%~90%  
Air pressure: 70kPa~106kPa

### Power Requirement

100V-240V  
 $\leq 300VA$   
50Hz/60Hz

### Dimension and Weight

Dimension: Depth(410 mm) x width(300 mm) x height(400 mm)  
Weight:  $\leq 20Kg$