



## BC-30

Auto Hematology Analyzer

Minimum Size, Maximum Capability

**mindray**  
healthcare within reach

# BC-30

## Auto Hematology Analyzer

### Technical Specifications:

#### Principles

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

#### Parameters

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

#### Sample Volume

Prediluted mode  $\leq 20 \mu\text{L}$   
Whole blood mode  $\leq 9 \mu\text{L}$

#### Performance

Parameter	Linearity Range	Precision (CV %)	Carryover
WBC(10 <sup>9</sup> /L)	0-300	$\leq 3.5\%$ (4.0-6.9) $\leq 2.0\%$ (7.0-15.0)	$\leq 0.5\%$
RBC(10 <sup>12</sup> /L)	0-8.00	$\leq 1.5\%$ (3.50-6.5)	$\leq 0.5\%$
HGB(g/L)	0-280	$\leq 1.5\%$ (100-180)	$\leq 0.5\%$
MCV(fL)		$\leq 0.5\%$ (70.0-110.0)	$\leq 0.5\%$
PLT(10 <sup>9</sup> /L)	0-4000	$\leq 5.0\%$ (100-149) $\leq 4.0\%$ (150-500)	$\leq 1.0\%$

#### 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 400,000 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  
External printer optional

#### Power Requirement

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

#### Power Requirement

(100V-240V) $\pm 10\%$   
 $\leq 180\text{VA}$   
(50Hz/60Hz)  $\pm 1\text{Hz}$

#### Dimension and Weight

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



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