

BC-20s

Auto Hematology Analyzer



BC-20s

**Enhanced
Quality**

**Pre
Diagnosis**

**Better
Efficiency**

- Fully automated Dual Chamber, Compact & Cost Effective.
- Throughput 40 tests per hour
- 3-Part Differentiation of WBC: 19 Parameters + 3 Histograms
- Diluent Temperature Control System (Optional) - Improves Differential Results

- 18 Different Flags of abnormal Blood cell Morphology + 8 Different Histogram Flags
- Sample Modes: Whole Blood, Pre-Diluted & Capillary Mode for Whole blood.
- Micro Sample Aspiration – Best option for Pediatric Samples.

- Only 2 Routine Reagents + 1 Maintenance Reagent
- 8.4" TFT touch screen
- 4 USB ports, 1 LAN port, WIFI signal recognition
- Bi-directional LIS
- 200,000 results storage with histograms

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Auto Hematology Analyzer

Technical Specifications

Principles

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

Parameters

- 19 reportable 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

Flags

- 18 Different Flags of abnormal Blood cell Morphology
- 8 Different Histogram Flags

Performance

Parameter	Linearity Range	Precision (CV %)	Carryover
WBC($10^9/L$)	0-100	$\leq 3.5\%$ (4.0-6.9) $\leq 2.0\%$ (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)	$\leq 0.5\%$
MCV(fL)		$\leq 1.0\%$ (70-110)	
PLT($10^9/L$)	0-1000	$\leq 5.0\%$ (100-149) $\leq 4.0\%$ (150-500)	$\leq 1.0\%$

Sampling Mode

Whole Blood, Pre-diluted & Capillary Mode for Whole blood

Reagent

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

Sample Volume

Pre-diluted mode 20 μ L
Whole blood mode 9 μ 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 ports (for External Printer, Software upgrade, Barcode Scanner, 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~40°C
Humidity: 10%~90%
Air pressure: 70KPa~106KPa

Power Requirement

Voltage (100V-240V~) $\pm 10\%$ **Input Power** 300VA **Frequency** (50Hz/60Hz) ± 1 Hz

Dimension and Weight

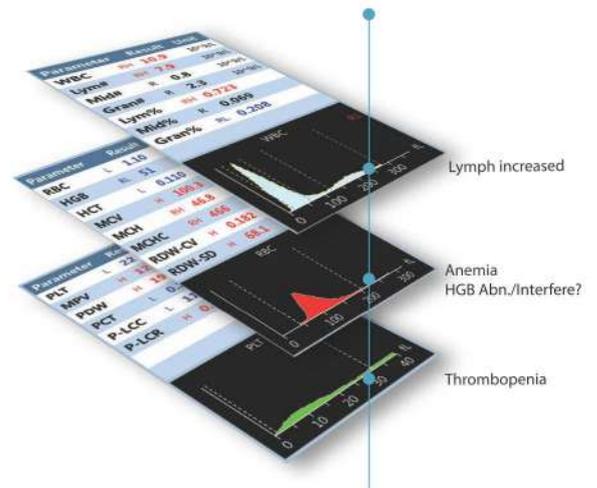
Dimension: Depth(410 mm) x width(300 mm) x height(400 mm)
Weight: ≤ 20 Kg

Authorized Distributor



No. 83 (Old No. 33) New Boag Road
Opp. Kannammamet Corporation School
T.Nagar, Chennai - 600 017
Tamilnadu, India
Tel : +91 44 2433 2994
☎ : +91 9282111672
Toll Free: 1800-420-4444
Email : info@goldenharvestindustries.com.

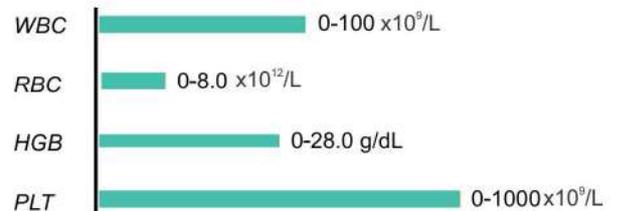
Detailed Flag Message - Pre-diagnosis



WIFI Signal - Data Transfer



Wide Linearity Range



Improved PLT linearity range for low value accuracy

mindray

Mindray is listed on the NYSE under the symbol "MR"
Mindray Building, Keji 12th Road South, High-tech Industrial Park,
Nanshan, Shenzhen 518057, P.R. China