

BC-20

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, PLCC
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 ⁹ /L)	0-100	≤3.5% (4.0-6.9) ≤2.0% (7.0-15.0)	≤0.5%
RBC(10 ¹² /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 ⁹ /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



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Minimum Size, Maximum Capability



Avience Biomedicals Pvt. Ltd.

H.O.: C-11, 1st Floor, C Block, Community Centre, Janakpuri, New Delhi-110058

Regd. Off.: B-411, 4th Floor, B Block, Plot No-4, The Patel CGHS Ltd, Sec-4, Dwarka, New Delhi -110075

Unit Add: G-1, Sector -11, Noida, Distt. Gautam Budh Nagar, Uttar Pradesh - 201301 Phone : 011-46074944, 8588828781

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 μ L which is ideal for pediatrics

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.



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.



Smallest



Convenience fast



Perfect for pediatric samples