BC-20 Auto Hematology Analyzer

Minimum size, maximum capability

Features:

- CBC+3-DIFF, 20parameters+3histograms
- Throughput:40 samples per hour
- Intuitive operation system with 10.4 inch TFT touch screen
- Most compact footprint and best power efficiency
- Open vial sampling
- 100,000 results storage with histograms
- Original QC, calibrators and reagents

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 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)	⩽0.5%
		⩽2.0% (7.0-15.0)	
RBC(10^{12}/L)	0-8.00	⩽2.0% (3.5-6.5)	⩽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

Operating Environment

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