

BC-1800

Auto Hematology Analyzer

- 3-part differentiation of WBC; 19 parameters+3 histograms
- 2 Counting modes: whole blood and prediluted
- Throughput: 60 samples per hour
- Automatic diluting, lysing, mixing, rinsing and clog-clearing
- Up to 20000 sample results (including histograms) can be stored
- Built-in thermal recorder, optional external printer optional external printer and barcode scanner
- Large color LCD display



CV. MITRA PERKASA
Jl. Kapi Janula 15 D / 14, Malang
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mindray
healthcare within reach

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Technical Specifications

Parameters

WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT and Histogram for WBC, RBC, PLT

Principles

Electrical resistance for counting and cyanide free method for hemoglobin

Performance

Parameter	Linearity Range	Precision(CV%)
WBC($10^9/L$)	0.0-99.9	2.5 (7.0-15.0)
RBC($10^{12}/L$)	0.00-9.99	2 (3.50-6.00)
HGB (g/L)	0-300	1.5 (110-180)
MCV (fL)	40.0-150.0	0.5 (80.0-110.0)
PLT($10^9/L$)	10-999	5 (200-500)

Sample Volume

Prediluted	20 μ L
Whole blood	13 μ L

Aperture Diameter

WBC	100 μ m
RBC/PLT	70 μ m

Dilution Ratios

	Whole Blood	Capillary Blood
WBC	1:304	1:293
RBC/PLT	1:44833	1:44402

Throughput

60 samples per hour

Display

Large color LCD display
Resolution: 800 x 600

Alerts

41 sets of alert message

Menu

Count, Mode, Review, Quality Control, Setup, Service, Calibration, Help, Shutdown

Carryover

WBC, RBC, HGB < 0.5%, PLT < 1%

Input/Output

RS232x2, 1 parallel printer(optional), 1 bar code scanner(optional), 1 keyboard interface

Printout

Thermal recorder, 50 mm wide paper, multitude of printout formats, printer optional

Operating Environment

Temperature	15°C~ 30°C
Humidity	30% ~ 85%

Power Requirement

AC 100V-240V, 50/60Hz

Dimension

390mm(W)x 460mm(H)x 390mm(D)

Weight

25 Kg

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