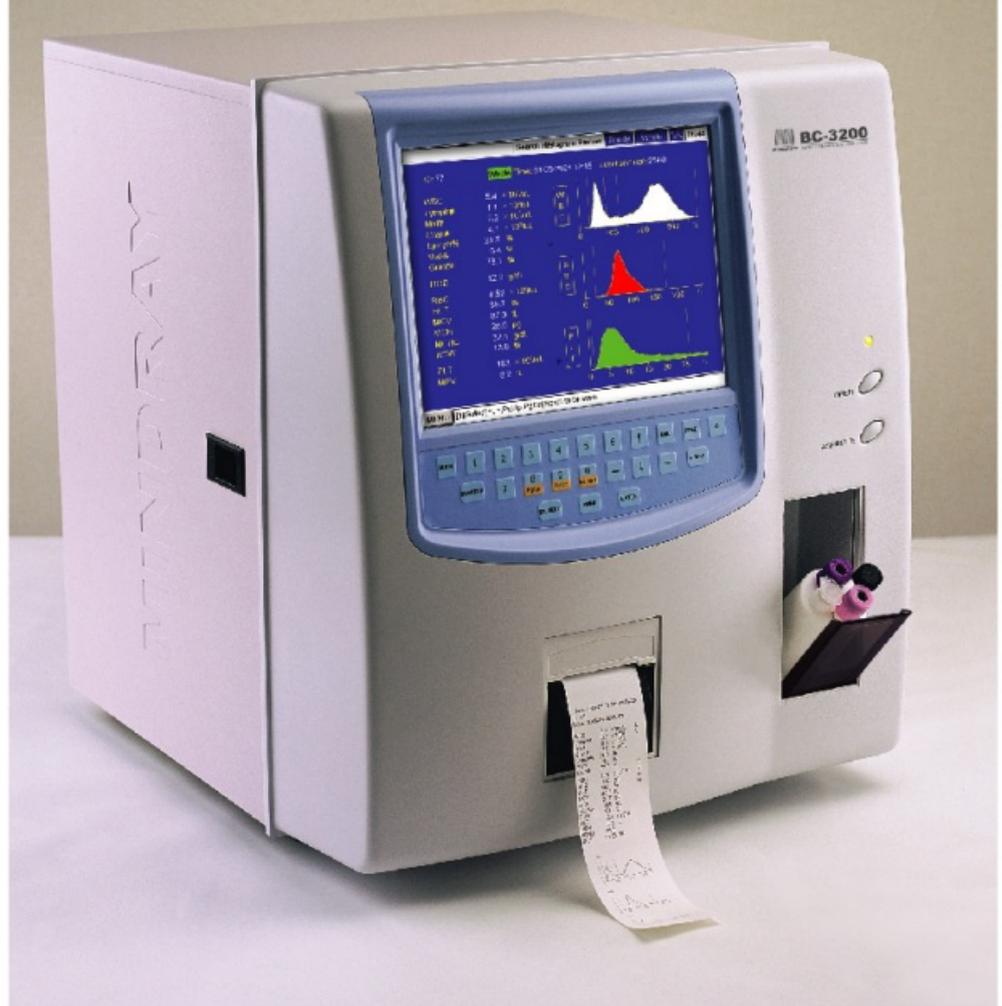


MINDRAY

BC-3200 Auto Hematology Analyzer

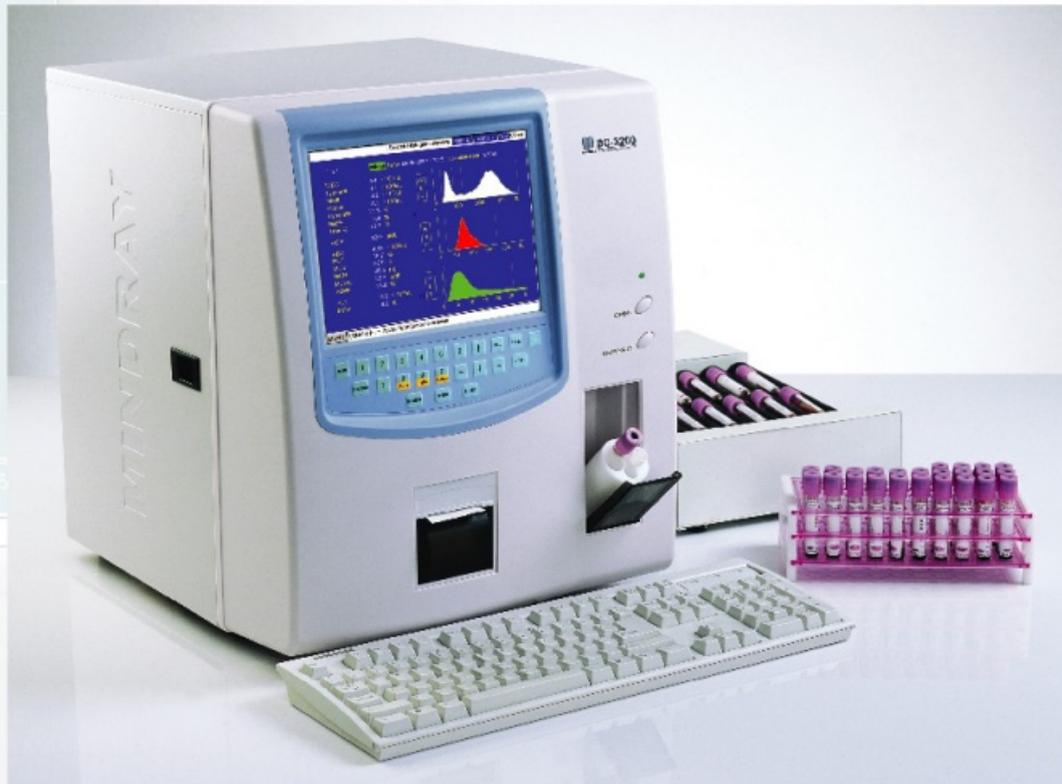


Closed Tube Sampling Technology



BC-3200

Auto Hematology Analyzer



- Closed tube sampling
- Sampling with 4 position tube holder
- Micro sampling of 13 μ l
- 3-part differential, 16 parameters +3 histograms
- Up to 1 minute/analysis
- Large color LCD display
- Data storage of 35,000 samples with histogram

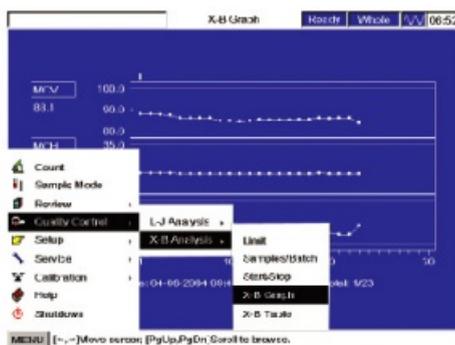
Flexible and Easy To Use

- Fully automatic analysis cycle
- Intelligent alarm to avoid wrong tube
- Automatic internal and external needle cleaning



High Reliability and Safety

- Sampling on closed tube to avoid biohazard
- Automatic protection when chamber door is open
- Cyanide-free reagent to protect environment



Total Solution for QC and Calibration

- Comprehensive QC programs including L-J, \bar{X} , \bar{X} -R and X-B analysis
- Up to 9 QC file - 31 runs/file
- Fully automatic calibration

ID	75	77	78	84	85	108
WBC	12.13	12.15	12.17	12.19	12.21	00.41
WBC#	3.8	5.8	4.5	6.6	3.0	8.1
WBC%	6.7	1.1	1.3	6.0	1.6	1.1
MPV	0.1	0.2	0.4	1.2	0.1	0.2
Gran#	2	2	2	2	2	5.8
Lymph%	1	1	1	1	1	14.5
Mon%	1	1	1	1	1	9.2
Gran%	1	1	1	1	1	62.3
HGB	1	1	1	1	1	8.7
HCT	1	1	1	1	1	2.87
MCV	1	1	1	1	1	76.4
MCH	1	1	1	1	1	89.2
MCHC	28.7	29.5	29.3	28.3	28.5	70.7
RDW	12.1	12.4	12.9	14.1	13.6	26.5
PDW	12.8	13.8	12.9	12.0	12.4	12.6
P-L	101	192	110	192	192	144
MPV	0.2	0.2	11.6	0.2	0.4	0.9
PDW	16.4	17.3	16.6	16.6	17.6	16.7
PCT	0.123	0.120	0.121	0.127	0.122	0.115

Powerful Customizable Software Design

- Huge storage of 35,000 patient results with histogram
- Convenient patient data review
- Programmable multi-format printout
- Fully automatic daily maintenance program

BC-3200

Auto Hematology Analyzer

Technical Specifications

Parameters

WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW, PLT, MPV, and Histogram for WBC, RBC, PLT

Principles

Electrical resistance for counting and Cyanide-free photometry method for hemoglobin

Performance

Parameter	Linearity Range	Precision(CV%)
WBC($10^3/\mu\text{L}$)	0.3-99.9	3.0 (7.0-15.0)
RBC($10^6/\mu\text{L}$)	0.20-7.99	2.5 (3.5-6.0)
HGB(g/dL)	1.0-24.9	2.0 (11.0-18.0)
PLT($10^3/\mu\text{L}$)	10-999	6.0 (200-400)

Sample Volume

Prediluted	20 μL
Whole Blood	13 μL

Sample processing

On closed tube with 4 position tube holder (QC, 1.5mL, 3mL, 5mL)

Aperture Diameter

WBC	100 μm
RBC/PLT	70 μm

Dilution Ratios

	Whole blood	Capillary Blood
WBC	1:308	1:546
RBC/PLT	1:44872	1:45827

Throughput

1 minute/analysis

Display

Large Color LCD display
Resolution: 800x600

Alerts

46 sets of alert message

Menu

Count, Sample 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, 50mm wide paper, various printout formats, printer optional

Operating Environment

Temperature: 59°F-86°F (15°C-30°C)
Humidity: 30%~85%

Power Requirement

100-240V~, 50/60Hz

Dimension

18'(H) x 15'(W) x 17'(D)
457mm(H) x 391mm(W) x 425mm(D)

Weight

55lb (25Kg)



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