



BC-3200

Auto Hematology Analyzer

Distributed by: **CLIAwaived.com™**
San Diego, CA 92121
tel 858-481-5031
toll free 888-882-7739
www.cliawaived.com

mindray
healthcare within reach

BC-3200

Auto Hematology Analyzer



- Closed tube sampling
- Sampling with 4 position tube holder
- Micro sampling of 13 μ L
- 3-part differential, 19 parameters + 3 histograms
- Up to 60 samples per hour
- Large color LCD display
- Data storage of 35,000 samples with histogram

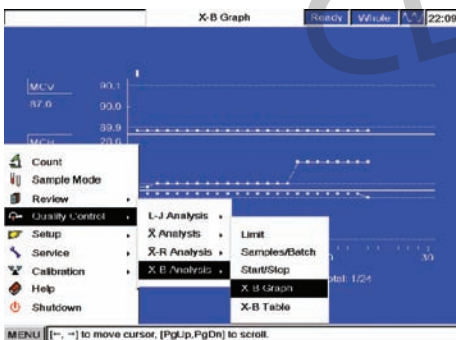
Flexible and Easy To Use

- 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
- Unique calibration program with fresh blood

ID	75	77	78	84	95	108
Time	04-05-04	04-05-04	04-05-04	04-05-04	04-05-04	04-05-04
WBC						8.1
Lymph%						09-11
Mid%						8.1
Gran#						0.2
Lymph%						14.5
Mid%						3.2
Gran%						82.3
HGB						37
RBC						2.97
HCT						29.4
MCV						99.2
MCH						29.2
MCHC						295
RDW-CV						12.8
RDW-SD						29.4
PLT						144
MPV	8.2	8.2	11.6	8.2	8.4	8.0
PDW	16.4	17.2	16.6	16.5	17.5	16.7
PCT	0.123	0.150	0.121	0.157	0.152	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

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Auto Hematology Analyzer

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 ($10^9 / L$)	0.3~99.9	2.5(7.0~15.0)
RBC ($10^{12} / L$)	0.20~8.0	2 (3.5~6.0)
HGB (g / L)	10~250	1.5(110-180)
MCV(FL)		0.5(80.0~110.0)
PLT ($10^9 / L$)	10~99.9	5(150~500)

Sample Volume

Prediluted 20 μ L
Whole Blood 13 μ L

Sample processing

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

Aperture Diameter

WBC 100 μ m
RBC/PLT 70 μ m

Dilution Ratios

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

ThroughPut

60 samples per hour

Display

Large Color LCD display
Resolution : 800 x 600

Alerts

45 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

RS232 x 2 , 1 Parallel printer (optional) , 1 bar code scanner (optional) , 1 keyboard interface

Printout

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

Operating Environment

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

Power Requirement

AC 100-240V , 50 / 60Hz

Dimension

457mm (H) x 391mm (W) x 425mm (D)

Weight

25 Kg

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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
Tel: +86 755 26582888 Fax: +86 755 26582680
E-mail: intl-market@mindray.com Website: www.mindray.com