

# MINDRAY

## BC-2300 Hematology Analyzer



# BC-2300 Hematology Analyzer



- Compact sized and cost effective
- 3-part differentiation of WBC, 19 parameters+ 3 histograms
- 2 counting mode: Whole blood and prediluted
- Throughput: 30 samples per hour
- Automatic clog removal and automatic recount function
- Up to 10,000 patient results (including histograms) can be stored
- Built in diluter and thermal recorder
- Color LCD display



## Low Cost and Affordable

- Probably it is one of the most cost effective hematology analyzer in this range worldwide

## Flexible and Easy To Use

- Evolving from manual to automated era, enjoying the pleasure of troubles workflow

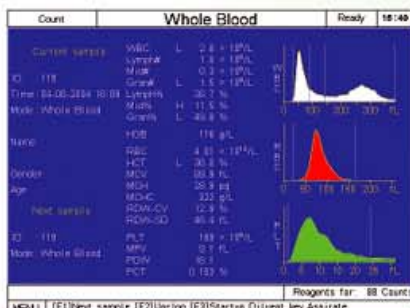


## High Accuracy and Reliability

- Many state of arts technologies such as float discriminator are adopted to ensure top performance

## Comprehensive Software Functions

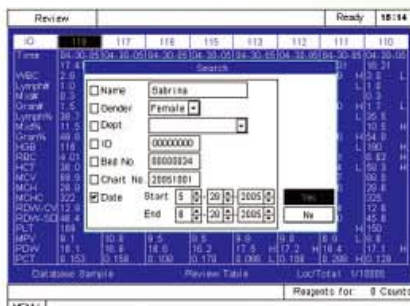
- A small analyzer with high end software only found in sophisticated instruments, providing greatest comfort to professionals



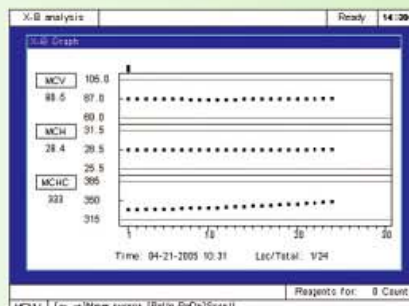
- Large Color LCD display, 19 parameters and 3 histograms (visualized and printed)



- Automatic calibration program



- Comprehensive patient data search function



- Comprehensive QC programs including L-J and X-B analysis; Up to 9 controls lots - 31 runs/file

# BC-2300

## 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 SFT method for hemoglobin

#### Performance

Parameter	Linearity Range	Precision(CV%)
WBC( $10^9/L$ )	0.0-99.9	3.0(7.0-15.0)
RBC( $10^{12}/L$ )	0.20-9.99	3.0(3.50-6.00)
HGB (g/L)	10-250	2.0(110-180)
MCV (fL)		1.0(80.0-110.0)
PLT( $10^9/L$ )	10-999	6.0(150-300)

#### Sample Volume

Prediluted	20 $\mu$ l
Whole blood	20 $\mu$ l

#### Aperture Diameter

WBC /RBC	80 $\mu$ m
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#### Throughput

30 samples per hour

#### Display

Large color LCD display  
Resolution: 640x480

#### Menu

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

#### Carryover

WBC, RBC, HGB , PLT < 2%

#### Input/Output

RS232x2, 1 parallel printer(optional), 1 keyboard interface

#### Printout

Thermal recorder, printer 50 mm wide paper, various printout formats  
Optional external printer

#### Operating Environment

Temperature	15 $^{\circ}$ C ~ 30 $^{\circ}$ C
Humidity	30% ~ 85%

#### Power Requirement

100-240V~50/60Hz

#### Dimension

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

#### Weight

17.9kg



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