

# BC-2800

## 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 Histograms for WBC, RBC, PLT

#### Principles

Electrical impedance method for cell counting and cyanide free method for hemoglobin

#### Performance

Parameter	Linearity Range	Precision(CV%)
WBC( $10^9/L$ )	0.0-100.0	2.0 (7.0-15.0)
RBC( $10^{12}/L$ )	0.0-9.99	1.5 (4.50-6.50)
HGB(g/L)	0-300	1.5 (100-180)
MCV(fL)		0.5 (70-110)
PLT( $10^9/L$ )	0-1000	4.0 (150-500)

#### Carryover

WBC, RBC, HGB $\leq$ 0.5%, PLT $\leq$ 1%

#### Sample Volume

Prediluted	20 $\mu$ L
Whole Blood	13 $\mu$ L

#### Aperture Diameter

80  $\mu$ m

#### Throughput

30 samples per hour

#### Display

Color LCD display  
Resolution: 800 x 600

#### Input/Output

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

#### Printout

Thermal recorder, 50mm width paper, multiple printout formats, external printer (optional)

#### Operating Environment

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

#### Power requirement

AC100-240V, 50/60Hz

#### Dimensions

322 mm (W) x 437 mm (H) x 386 mm (D)

#### Weight

Less than 23 Kg



## BC-2800 Auto Hematology Analyzer

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Mindray is listed on the NYSE under the symbol "MR"

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healthcare within reach

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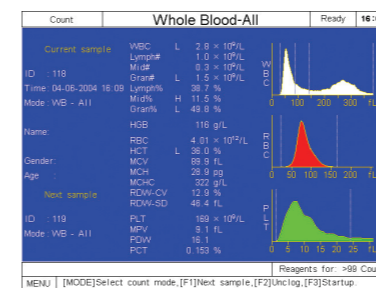
## Auto Hematology Analyzer



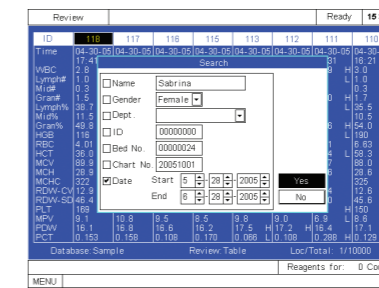
- Fully automated, compact, flexible and cost effective
- 3-part differentiation of WBC, 19 parameters + 3 histograms
- Throughput: 30 samples per hour
- Up to 20,000 sample results (including histograms) can be stored
- Cyanide free HGB analysis method
- 6 counting modes: Whole Blood and Prediluted, each with All parameters, WBC/HGB, RBC/PLT
- Built-in thermal recorder, optional external printer
- Color LCD display

### Ideal for small laboratories

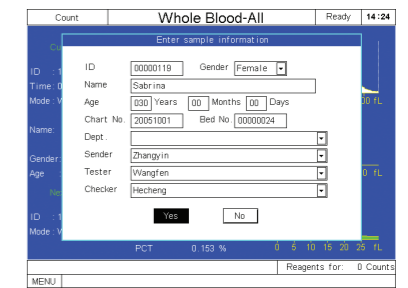
- Fully automatic
- User friendly interface makes for ease of use
- High accuracy and reliability
- Throughput of 30 tests per hour fits small laboratory needs
- Compact size to save space
- Microvolume of sample and reagents, automatic maintenance all add up to economy



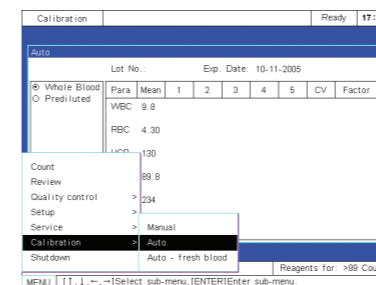
- Large Color LCD display, 19 parameters and 3 histograms in one screen



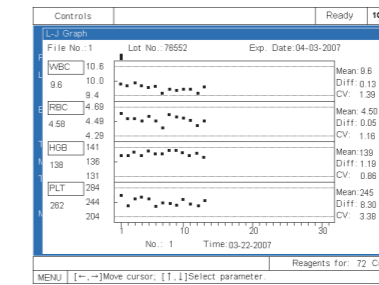
- Convenient patient data review modes
- Comprehensive patient data search function



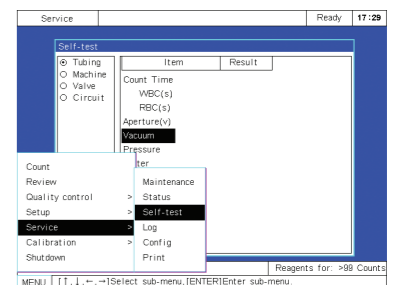
- Programmable multi-format printout; huge storage of 20,000 patient results with histograms
- Multiple access for data input via keypad, keyboard or barcode scanner(optional)



- Fully automatic calibration including unique fresh-blood calibration program



- Comprehensive QC programs including L-J and X-B analyses; Up to 9 QC files



- Zap aperture and flush function effectively avoid clog
- Automatic internal and external probe cleaning
- Automatic daily maintenance including background testing