

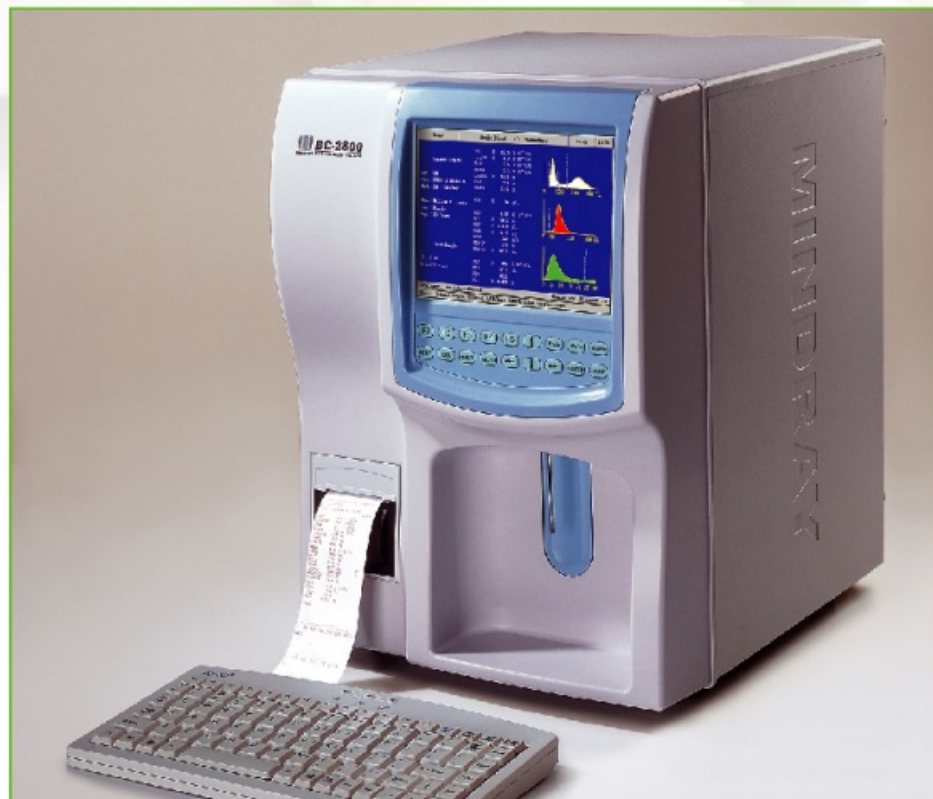
MINDRAY

BC-2800 Auto Hematology Analyzer



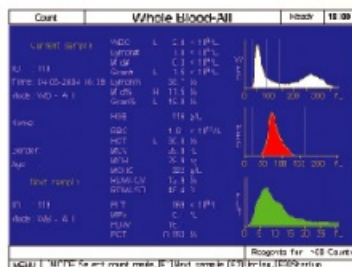
BC-2800 **Auto Hematology Analyzer**

- Fully automated, compact, flexible and cost effective
- 3-part differentiation of WBC, 19 parameters + 3 histograms
- Throughput: 30 samples per hour
- Up to 10000 sample results (including histograms) can be stored
- Cyanide free HGB analysis method
- 3 counting modes: All parameters, WBC/HGB, RBC/PLT
- Built-in thermal recorder, optional external printer
- Large Color LCD display

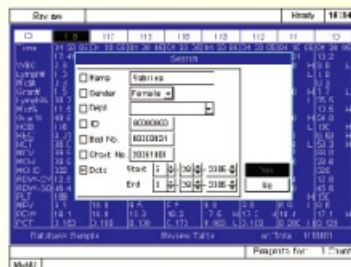


Ideal for small laboratories

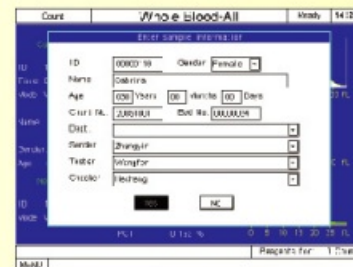
- High performance to price ratio
- High accuracy and reliability
- Throughput of 30 tests per hour fits small laboratory needs
- Compact size to save space
- Microvolume of sample and reagents, automatically maintenance all add up to economy



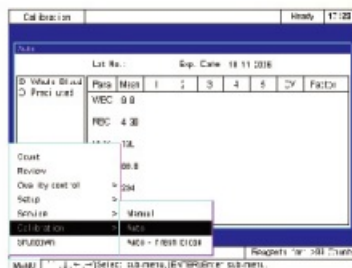
- Large Color LCD display, 19 parameters and 3 histograms in one screen



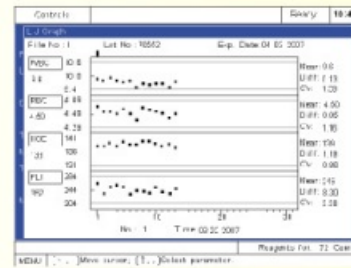
- Comprehensive patient data search function



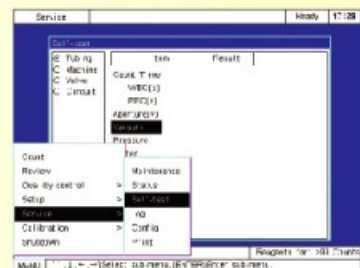
- Programmable multi-form at printout; huge storage of 10,000 patient results with histograms
- Multiple access for data input via keypad, keyboard or barcode scanner(optional)



- Fully automatic calibration including unique fresh-blood calibration program



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



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

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 Histogram for WBC, RBC, PLT

Principles

Electrical impedance method for counting and SFT method for hemoglobin

Performance

Parameter	Linearity Range	Precision(CV%)
WBC($10^9/L$)	0.0-99.9	3(4.0-15.0)
RBC($10^{12}/L$)	0.2-9.99	2(3.00-6.50)
HGB(g/L)	0-300	2(100 - 180)
MCV(fL)		1(70.0 - 100.0)
PLT($10^9/L$)	0-999	5(200 - 500)

Sample Volume

Prediluted	20 μ l
Whole Blood	13 μ l

Aperture Diameter

80 μ m

Throughput

30 samples per hour

Display

Color LCD display
Resolution: 640x480

Carryover

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

Input/Output

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

Printout

Thermal recorder, 50mm width paper, various printout formats, printer optional

Operating Environment

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

Power requirement

100-240V~50/60Hz

Dimension

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

Weight

17.9Kg



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