



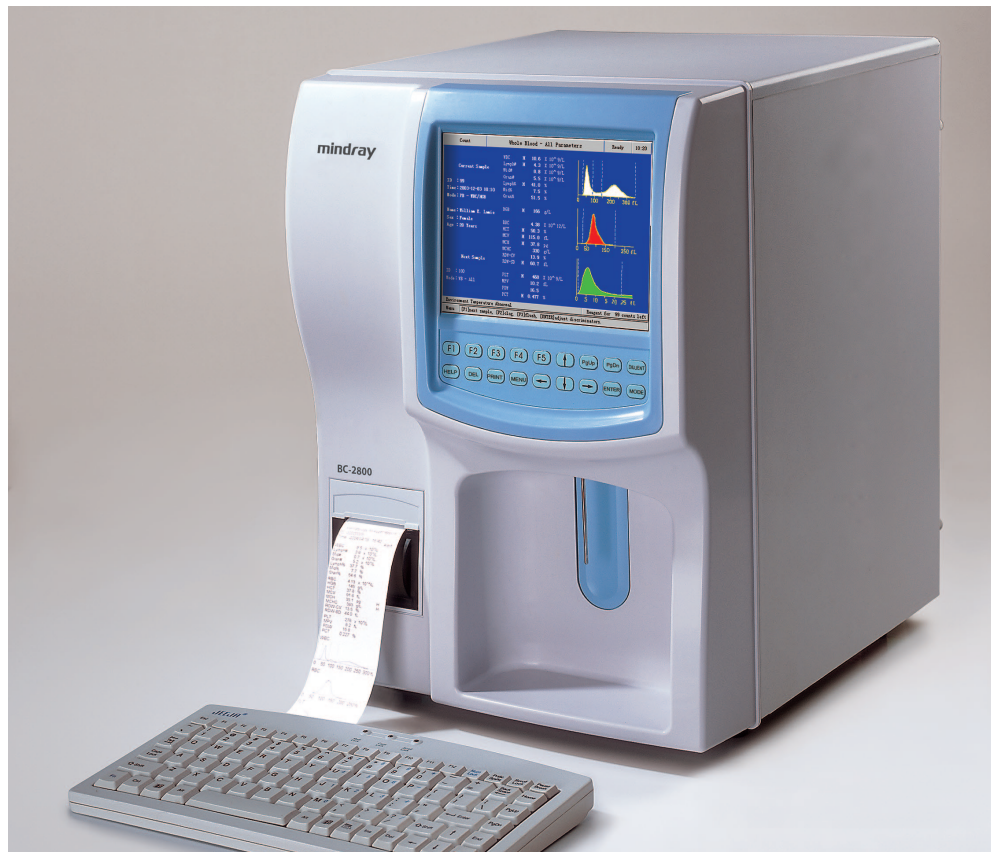
BC-2800

Auto Hematology Analyzer

mindray
healthcare within reach

BC-2800

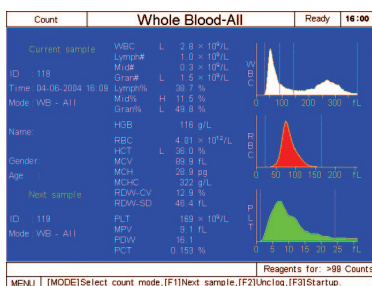
Auto Hematology Analyzer



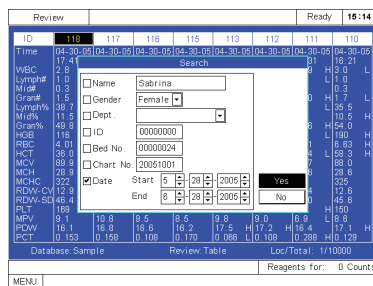
- Fully automated, compact, flexible and cost effective
- 3-part differentiation of WBC, 19 parameters + 3 histograms
- Throughput: 30 samples per hour
- Up to 10000 sample results (including histograms) can be stored
- Cyanide free HGB analysis method
- 3 counting modes: All parameters, WBC/HGB, RBC/PLT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

Ideal for small laboratories

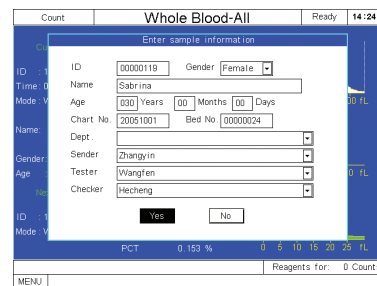
- High performance to price ratio
- High accuracy and reliability
- Throughput of 30 tests per hour fits small laboratory needs
- Compact size to save space
- Microvolume of sample and reagents, automatic maintenance all add up to economy



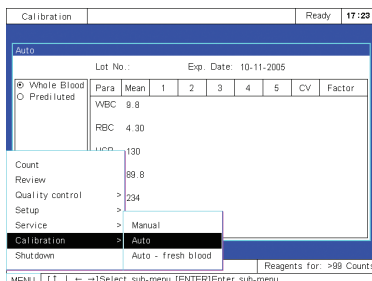
- Large Color LCD display, 19 parameters and 3 histograms in one screen



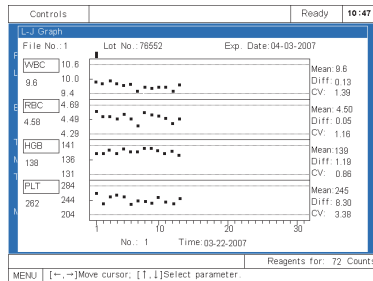
- Comprehensive patient data search function



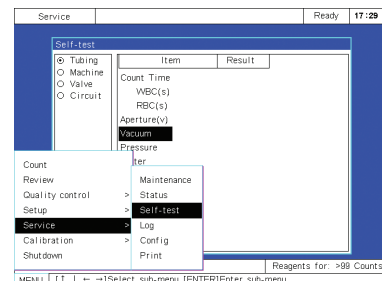
- Programmable multi-format printout; huge storage of 10,000 patient results with histograms
- Multiple access for data input via keypad, keyboard or barcode scanner(optional)



- 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

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Auto Hematology Analyzer

Technical Specifications:

Parameters

WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT and Histogram for WBC, RBC, PLT

Principles

Electrical impedance method for counting and cyanide free method for hemoglobin

Performance

Parameter	Linearity Range	Precision(CV%)
WBC($10^9/L$)	0.0-99.9	3(4.0-15.0)
RBC($10^{12}/L$)	0.0-9.99	2(3.0-6.5)
HGB(g/L)	0-300	2(100-180)
MCV(fL)		1(70-100)
PLT($10^9/L$)	0-999	5(200-500)

Sample Volume

Prediluted	20 μL
Whole Blood	13 μL

Aperture Diameter

80 μm

Throughput

30 samples per hour

Display

Color LCD display
Resolution: 640 x 480

Carryover

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

Input/Output

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

Printout

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

Operating Environment

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

Power requirement

AC100-240V, 50/60Hz

Dimension

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

Weight

17.9 Kg