

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≤0.5%, PLT≤1%

Sample Volume

| | |
|-------------|-------|
| Prediluted | 20 μL |
| Whole Blood | 13 μL |

Aperture Diameter

80 μm

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

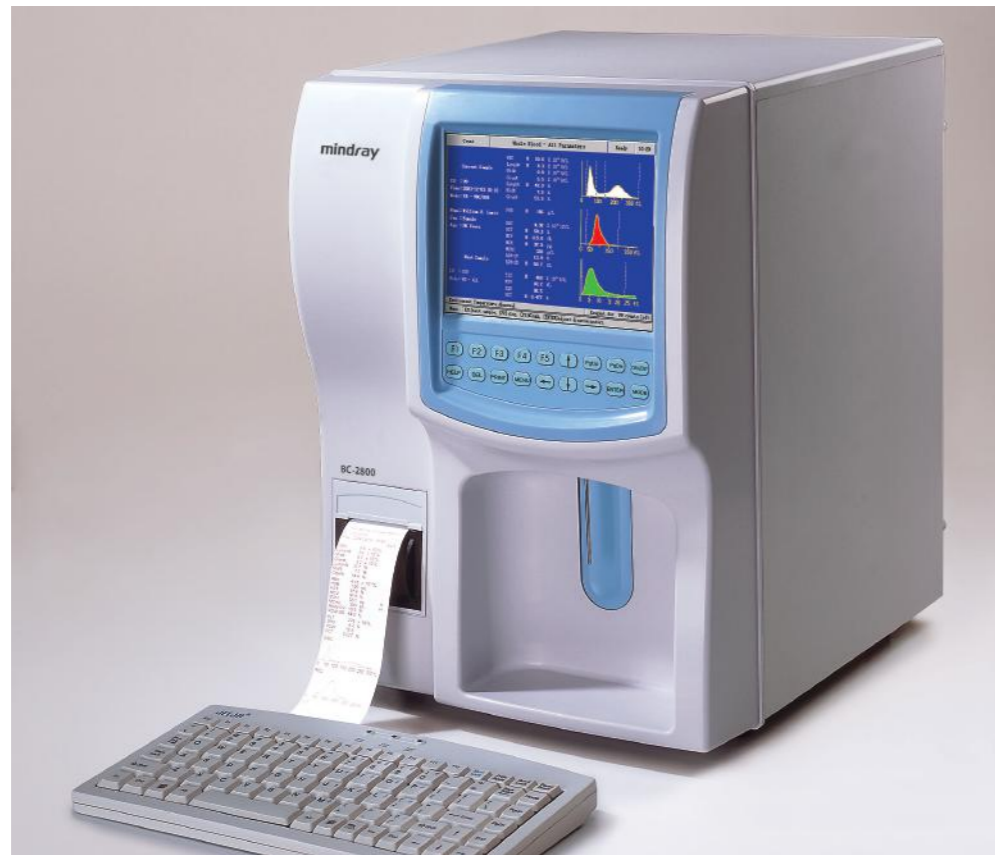
BC-2800

Auto Hematology Analyzer



BC-2800

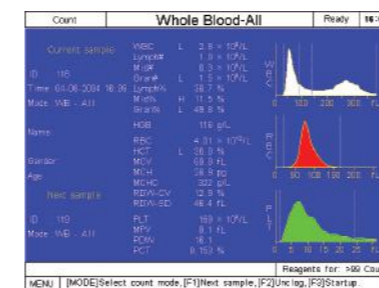
Auto Hematology Analyzer



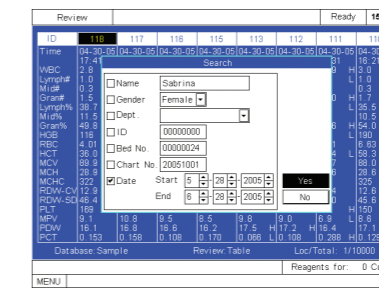
Ideal for small laboratories

- 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

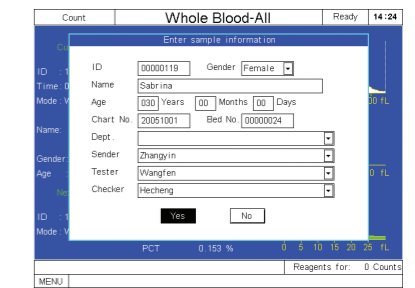
- Fully automated, compact, flexible and cost effective
- 3-part differentiation of WBC, 19 parameters + 3 histograms
- Throughput: 30 samples per hour
- Up to 20,000 sample results (including histograms) can be stored
- Cyanide free HGB analysis method
- 6 counting modes: Whole Blood and Prediluted,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



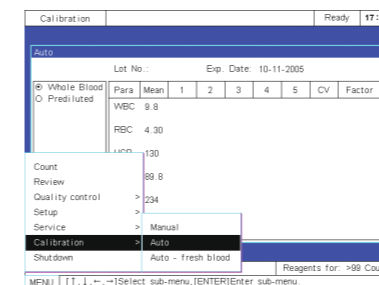
- Large Color LCD display, 19 parameters and 3 histograms in one screen



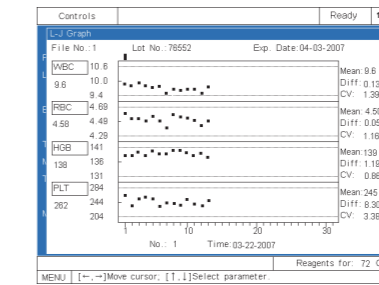
- Convenient patient data review modes
- Comprehensive patient data search function



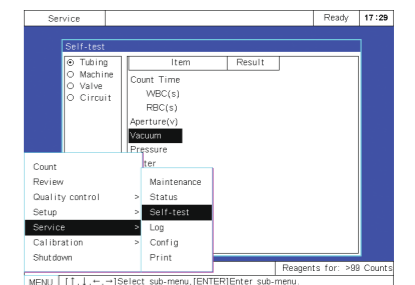
- Programmable multi-format printout; huge storage of 20,000 patient results with histograms
- Multiple access for data input via keypad, keyboard or barcode scanner(optional)



- 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