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## BC-3000 Plus Auto Hematology Analyzer

Quality assurance from the world's foremost manufacturer of 3 part differential hematology analyzers



- 3-part differentiation of WBC ; 19 parameters + 3 histograms
- 2 counting modes: whole blood and prediluted
- Throughput: 60 samples per hour
- Automatic diluting, lysing, mixing, rinsing and unclogging
- Automatically cleaning sampling probe
- Up to 35000 sample results (including histograms) can be stored
- Built-in thermal recorder, optional external printer
- Bar code scanner optional
- Large color LCD display

### Safe and Easy To Use

- Press one button and the result will be ready in a minute
- User friendly interface makes for ease of use
- Original cyanide free reagents ensure safe, hazard free operation



### Economical

- Low sampling volume: 13µl whole blood per test
- Auto cleaning system minimizes maintenance requirement



### High Reliability and Accuracy

- Comprehensive QC programs including L-J, X̄, X-R and X-B analyses
- Fully automatic calibration
- Unique fresh-blood calibration program

### Powerful Customized Software Design

- Huge storage of 35,000 patient results with histograms
- Convenient patient data review modes
- Programmable print formats

## BC-3000 Plus 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( $10^9/L$ )	0.3-99.9	2.5 (7.0-15.0)
RBC( $10^{12}/L$ )	0.20-8.00	2 (3.50-6.00)
HGB (g/L)	10-250	1.5 (110-180)
MCV (fL)		0.5 (80.0-110.0)
PLT( $10^9/L$ )	10-999	5 (150-500)

#### Sample Volume

Prediluted	20µl
Whole blood	13µl

#### Aperture Diameter

WBC	100µm
RBC/PLT	70µm

#### Dilution Ratios

	Whole Blood	Capillary Blood
WBC/HGB	1:308	1:428
RBC/PLT	1:44872	1:43355

#### Throughput

60 samples per hour

#### Display

Large color LCD display  
Resolution: 800x600

#### Alarms

41 error messages

#### 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, 50 mm wide paper, various printout formats, printer optional

#### Operating Environment

Temperature 15°C - 30°C  
Humidity 30% - 85%

#### Power Requirement

100-240V-50/60Hz

#### Dimension

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

#### Weight

21kg



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