



## BC-3000Plus Auto Hematology Analyzer



### Features:

- \* 3-part differentiation of WBC; 19 parameters+3 histograms
- \* 2 Counting mode: whole blood and prediluted
- \* Throughput: 60 samples per hour
- \* Automatic diluting, lysing, mixing, rinsing and clog-clearing
- \* Up to 35000 sample results (including histograms) can be stored
- \* Built-in thermal recorder, optional external printer
- \* Bar code scanner optional
- \* Reagent expired alarm
- \* Large color LCD display

### Technical Specifications:

#### General Descriptions

#### 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 resistance for counting WBC, RBC and PLT 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	20uL
Whole Blood	13uL

### Aperture Diameter

WBC	100um
RBC	70 um

### Throughput

60 samples per hour

### Display

Large Color LCD display  
Resolution: 800×600

### Alarms

41 error messages

### Carryover

WBC, RBC, HGB < 0.5%, PLT<1%

### Input/Output

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

### Printout

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

### Operating Environment

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

### Power requirement

AC 100-240V, 50/60±1Hz

### Dimension

460mm(H) × 390mm(W) × 400mm(D)

### Weight

21Kg