

## 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 <sup>9</sup> / L )	0.0-100.0	2.5 ( 7.0-15.0 )
RBC ( 10 <sup>12</sup> / L )	0.00 – 9.99	2 ( 3.50 -6.50 )
HGB ( g / L )	0-300	1.5 ( 100 -180 )
MCV(fL)		0.5 ( 80.0-110.0 )
PLT ( 10 <sup>9</sup> / L )	0-1000	4 ( 150-500 )

### Carryover

WBC , RBC , HGB ≤ 0.5% , PLT ≤ 1 %

### Sample Volume

Prediluted 20 μL  
Whole blood 13 μL

### Aperture Diameter

WBC 100 μm  
RBC / PLT 70 μm

### Throughput

60 samples per hour

### Display

Large color LCD display Resolution : 800 x 600

### Alerts

41 sets of alert messages

### Input output

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

### Printout

Thermal recorder, 50 mm wide paper, multiple printout formats, external printer (optional)

### Operating Environment

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

### Power Requirement

AC 100-240V, 50/60Hz

### Dimensions

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

### Weight

2.1 Kg

## BC-3000Plus

Auto Hematology Analyzer



# BC-3000Plus

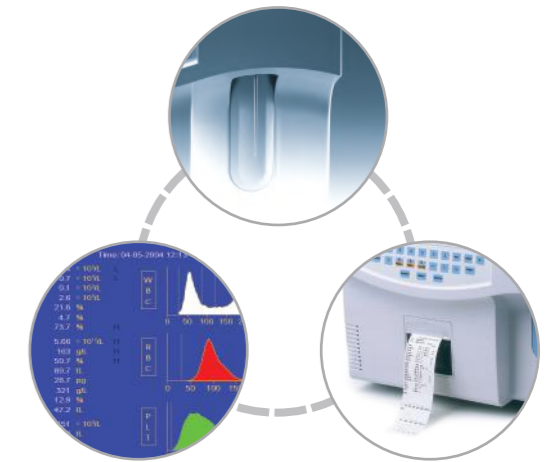
## Auto Hematology Analyzer



- 3-part differentiation of WBC ; 19parameters + 3histograms
- 2 counting modes : whole blood and prediluted
- Throughput : 60 samples per hour
- Micro sampling of 13uL whole blood
- Up to 35,000 sample results ( including histograms ) can be stored
- Built-in thermal recorder, optional external printer
- Barcode scanner optional
- Large color LCD display

### Convenient and Safe To Use

- Press one button to finish one test in one minute
- All-in-One display
- User friendly interface makes for ease of use
- Original cyanide free reagents ensure safe , Biohazard free operation
- Reagent sensors for real time monitoring



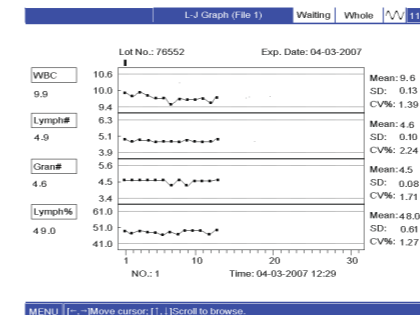
### Economical

- Low sampling volume : 13ul whole blood per test
- Auto cleaning system minimizes maintenance requirement
- Low reagent consumption, low cost



### High Reliability and Accuracy

- Comprehensive QC programs including L - J ,  $\bar{X}$  ,  $\bar{X}$ -R and X-B analyses
- Fully automatic calibration, Unique fresh-blood calibration program
- Proven technology such as Intelligent float landmarks for histograms, Discriminator Shift for PLT
- Original Quality control, Calibrator and reagents



ID	75	77	78	84	95	108
Time	04-05-04	04-05-04	04-05-04	04-05-04	04-05-04	04-06-04
WBC	10.1	10.2	10.3	10.4	10.5	10.6
Lymph#	4.5	4.6	4.7	4.8	4.9	5.0
Gran#	4.5	4.6	4.7	4.8	4.9	5.0
Lymph%	45.0	46.0	47.0	48.0	49.0	50.0
Gran%	55.0	54.0	53.0	52.0	51.0	50.0
HGB	15.0	15.5	16.0	16.5	17.0	17.5
HCT	45.0	46.0	47.0	48.0	49.0	50.0
MCV	100.0	101.0	102.0	103.0	104.0	105.0
MCH	15.0	15.5	16.0	16.5	17.0	17.5
MCHC	15.0	15.5	16.0	16.5	17.0	17.5
RDW-CV	11.5	11.6	11.7	11.8	11.9	12.0
RDW-SD	15.0	15.5	16.0	16.5	17.0	17.5
PLT	150	152	154	156	158	160
MPV	8.2	8.2	8.2	8.2	8.4	8.5
PDW	16.4	17.2	16.6	16.5	17.5	16.7
PCT	0.123	0.150	0.121	0.157	0.152	0.115

### Powerful Customized Software Design

- Convenient patient data review modes
- Customized reference range, Customized parameter units
- Programmable multi-format printout