

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	2.5 (7.0-15.0)
RBC (10 ¹² / 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 ⁹ / 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 form, 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

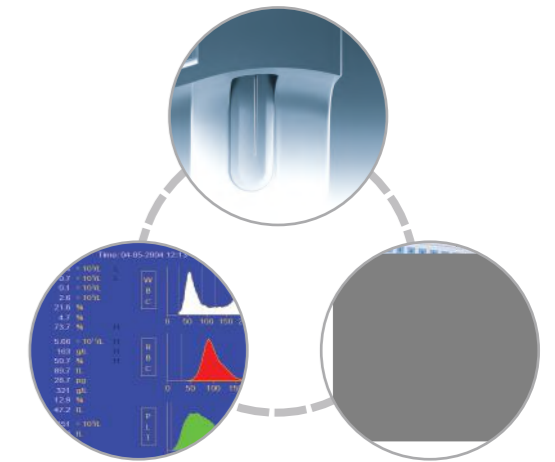
Auto Hematology Analyzer



- 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

Powerful Customized Software Design

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

