



## BC-2800 Auto Hematology Analyzer



### Features:

- \* Fully automated, compact and cost effective
- \* 3-part differentiation of WBC; 19 parameters+3 histograms
- \* Throughput: 30 samples per hour
- \* Up to 10000 sample results (including histograms) can be stored
- \* Cyanide free HGB analysis method
- \* 3 counting modes: All parameters, WBC/HGB, RBC/PLT
- \* Built-in thermal recorder, optional external printer
- \* 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 ( $10^9/L$ )	0.0-99.9	3(4.0-15.0)
RBC ( $10^{12}/L$ )	0.2-9.99	2(3.00-6.50)
HGB (g/L)	0-300	2(100 – 180)
MCV (fL)		1(70.0 – 110.0)
PLT ( $10^9/L$ )	0-999	5(200 – 500)

## Sample Volume

Prediluted	20uL
Whole Blood	13uL

## Aperture Diameter

80um

## Throughput

30 samples per hour

## Display

Large Color LCD display  
Resolution: 640×480

## Menu

Count, Review, Quality Control, Setup, Service, Calibration, Shutdown

## 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

322mm(W)×437mm(H)×386mm(D)

## Weight

17.9Kg