

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	2.0 (7.0-15.0)
RBC($10^{12}/L$)	0.0-9.99	1.5 (4.50-6.50)
HGB(g/L)	0-300	1.5 (100-180)
MCV(fl)		0.5 (70-110)
PLT($10^9/L$)	0-1000	4.0 (150-500)

Carryover

WBC, RBC, HGB \leq 0.5%, PLT \leq 1%

Sample Volume

Prediluted	20 μ L
Whole Blood	13 μ L

Aperture Diameter

80 μ m

Throughput

30 samples per hour

Display

Color LCD display
Resolution: 800 x 600

Input/Output

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

Printout

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

Operating Environment

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

Power requirement

AC100-240V, 50/60Hz

Dimensions

322 mm (W) x 437 mm (H) x 386 mm (D)

Weight

Less than 23 Kg

BC-2800

Auto Hematology Analyzer

