

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	Precision(CV%)
WBC(10 ⁹ /L)	0.0~100.0	3.0 (7.0~15.0)
RBC(10 ¹² /L)	0.00~9.99	3.0 (3.00~6.50)
HGB(g/L)	0~300	2.0 (100~180)
MCV(fL)		1.0 (70.0~110.0)
PLT(10 ⁹ /L)	0~1000	5.0 (200~500)

Sample Volume

Prediluted	20 µL
Whole blood	20 µL

Aperture Diameter

WBC/RBC	80 µm
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Throughput

30 samples per hour

Display

Color LCD display
Resolution: 800 x 600

Menu

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

Carryover

WBC < 1.5%; RBC, HGB < 1.0%; PLT < 2.0%

Input/Output

RS 232 x 2, 1 parallel printer (optional), 1 keyboard interface

Printout

Thermal recorder, printer 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

324 mm (W) x 437 mm (H) x 395 mm (D)

Weight

Less than 23 Kg

BC-2300

Hematology Analyzer



