

BC-2300

Hematology Analyzer

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 Histogram for WBC, RBC, PLT

Principles

Electrical resistance for counting and SFT method for hemoglobin

Performance

Parameter	Linearity Range	Precision(CV%)
WBC($10^9/L$)	0.0-99.9	3.0(7.0-15.0)
RBC($10^{12}/L$)	0.20-9.99	3.0(3.50-6.00)
HGB (g/L)	10-250	2.0(110-180)
MCV (fL)		1.0(80.0-110.0)
PLT($10^9/L$)	10-999	6.0(150-300)

Sample Volume

Prediluted	20 μ l
Whole blood	20 μ l

Aperture Diameter

WBC /RBC	80 μ m
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Throughput

30 samples per hour

Display

Large color LCD display

Resolution: 640x480

Menu

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

Carryover

WBC, RBC, HGB, PLT < 2%

Input/Output

RS232x2, 1 parallel printer(optional), 1 keyboard interface

Printout

Thermal recorder, printer 50 mm wide paper, various printout formats
Optional external printer

Operating Environment

Temperature	15 $^{\circ}$ C ~ 30 $^{\circ}$ C
Humidity	30% ~ 85%

Power Requirement

100-240V~50/60Hz

Dimension

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

Weight

17.9kg



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