

BC-3200

Auto 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 Cyanide-free photometry method for hemoglobin

Performance

Parameter	Linearity Range	Precision(CV%)
WBC($10^9/L$)	0.3-99.9	2.5 (7.0-15.0)
RBC($10^{12}/L$)	0.20-8.00	2 (3.5-6.0)
HGB(g/L)	10-250	1.5 (110-180)
MCV(fL)		0.5 (80.0-110.0)
PLT($10^9/L$)	10-999	5 (150-500)

Sample Volume

Prediluted	20 μ l
Whole Blood	13 μ l

Sample processing

On closed tube with 4 position tube holder (QC, 1.5mL, 3mL, 5 mL)

Aperture Diameter

WBC	100 μ m
RBC/PLT	70 μ m

Dilution Ratios

	Whole blood	Capillary Blood
WBC	1:308	1:546
RBC/PLT	1:44872	1:45827

Throughput

60 samples per hour

Display

Large Color LCD display
Resolution: 800x600

Alerts

45 sets of alert message

Menu

Count, Sample Mode, Review, Quality Control, Setup, Service, Calibration, Help, Shutdown

Carryover

WBC, RBC, HGB < 0.5%, PLT<1%

Input/Output

RS232x2, 1 Parallel printer(optional), 1 bar code scanner(optional), 1 keyboard interface

Printout

Thermal recorder, 50mm wide paper, various printout formats, printer optional

Operating Environment

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

Power Requirement

100-240V~50/60Hz

Dimension

457mm(H)x 391mm(W)x 415mm(D)

Weight

25Kg



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