

BC-5300

Auto Hematology Analyzer

Technical Specifications:

Principles

Impedance method for WBC, RBC, PLT counting
Cyanide-free reagent for Hemoglobin test
Flow Cytometry (FCM), Semi-conductor Laser scatter, chemical dye method, independent Basophil channel

Parameters

WBC, Lym%, Mon%, Neu%, Eos%, Bas%, Lym#, Mon#, Neu#, Eos#, Bas#,
RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT,
LIC%, LIC#, ALY%, ALY#
3 histograms and 1 scattergram

Throughput

Up to 60 samples per hour

Sample Volume

Whole Blood: 20 μ l
Prediluted: 20 μ l

Test Mode

CBC CBC+DIFF

Performance

| | Carryover | Precision | Linearity |
|-----|--------------|---|------------------------------|
| WBC | $\leq 0.5\%$ | $\leq 2.0\%$ ($4-15 \times 10^9/L$) | $0.00-99.99 \times 10^9/L$ |
| RBC | $\leq 0.5\%$ | $\leq 1.5\%$ ($3.5-6.0 \times 10^{12}/L$) | $0.00-8.00 \times 10^{12}/L$ |
| HGB | $\leq 0.6\%$ | $\leq 1.5\%$ (110-180g/L) | 0-250g/L |
| PLT | $\leq 1.0\%$ | $\leq 4.0\%$ ($150-500 \times 10^9/L$) | $0-1000 \times 10^9/L$ |

Data Storage Capacity

Up to 40,000 results including numeric and graphical information



Communication

LAN Port supports HL7 protocol

Operating Environment

Temperature: 15 $^{\circ}$ C -30 $^{\circ}$ C
Humidity: 30-85%
Air Pressure: 70-106 kPa

Power Requirement

A.C.100-240V $\leq 300VA$ 50/60Hz

Dimension and Weight

410mm(L) X 470mm(W) X 530mm(H)
Weight: <45kg



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