RT-7900

Auto Hematology Analyzer



- Fully automated, compact, flexible and cost effective
- 3-part differentiation, 22 parameters, 3 histograms
- Up to 72 samples per hour
- 10.4 inch touch screen with high resolution and user-friendly software
- Support mode of CBC whole blood sample, prediluted mode and peripheral blood sample
- Space saving design with internal reagent position which can support 200 tests
- Equipped with external wifi module

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Technical Specifications:

Parameters

WBC:Lym%/Min%/Gran%/ Lym#/Min#/Gran#,WBC

RBC:HGB/MCV/HCT/MCH/MCHC/RDW-CV/RDW-SD

PLT:MPV/PDW-CV/PDW-SD/PCT/P-LCR/P-LCC

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%)	Carryover
WBC(10^9/L)	0-300	≤3.5%（4.0-6.9）	≤0.5%
		≤2.0%（7.0-15.0）	
RBC(10^{12}/L)	0-8.00	≤1.5%（3.5-6.0）	≤0.5%
HGB(g/L)	0-250	≤1.5%（110-180）	≤0.5%
MCV(fL)		≤1.0%（70-120）	
PLT(10^9/L)	0-4000	≤5.0%（100-149）	≤1.0%
		≤4.0%（150-500）	

Sample Volume

Prediluted 20 μL
Whole Blood 9 μL

Throughput

72 samples per hour

Display

Color LCD display in 10.4 inches touch screen

Input/Output

RS232, USB, LAN

Printout

Thermal printer, 55mm width paper, multiple printout formats, external printer (optional)

Operating Environment

Temperature: 15°C~35°C

Humidity: ≤85%

Power requirement

AC100-240V, 50/60Hz

Dimensions L x W x H (mm)

410*300*420

Weight

18.5 kg



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