

3-Part Auto Hematology Analyzer

Small Size, Built-in Lyse

2 Channels, 60 samples/hour

22 parameters, 3 histograms

10.4 inch touch screen



- Net Weight 17.6 K g
- Gross Weight 22 K g

- External Size 445×280×403 (mm)
- (W*D*H) Packing 565×445×565 (mm)
- Size (W*D*H)

CSBiotech



Technical Specifications

Throughput	60 samples/hour
Principle	Impedance for WBC differentiation and WBC/RBC/PLT count; Colorimetric method for HGB
Parameters	22parameters(including WBC, Mid#, Lym#, Gran#, Mid%, Lym%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW-CV,PDW-SD, PCT, P-LCR, P-LCC)
Histograms	3 histograms(including WBC, RBC, PLT histograms)
Sample Volume	Venousblood:10 μ l,Capillary blood: 10 μ l, Prediluted: 20 μ l
Calibration	Manual, auto calibration
Counting Modes	Venous, capillary, prediluted
Printing Model	Auto print, manual print
Reagent	Diluent20L,Hemolytic agent 500ml, Probe cleanser: 50ml
Data Input	10.4-inchtouchscreen, mouse, keyboard(optional)
Output	Internalprinter,support external printer
Printer Paper	57 \times 30mm
Interface	4 USB ports, 1 Lan port
Storage	600,000 results with histogram
Power supply	AC 100~240V 3A 50~60Hz

Linear range

Parameters	Linear range	Linearity error (Whole Blood)	Linear error (Predilute mode)	Linear correlation coefficient r
WBC	1.0 \times 10 ⁹ /L ~ 10.0 \times 10 ⁹ /L 10.1 \times 10 ⁹ /L ~ 200 \times 10 ⁹ /L	$\leq\pm 0.30\times 10^9$ /L $\leq\pm 5\%$	$\leq\pm 0.50\times 10^9$ /L $\leq\pm 5\%$	≥ 0.990
RBC	0.00 \times 10 ¹² /L~1.00 \times 10 ¹² /L 1.01 \times 10 ¹² /L~8.00 \times 10 ¹¹ /L	$\leq\pm 0.05\times 10^{12}$ /L $\leq\pm 5\%$	$\leq\pm 0.05\times 10^{12}$ /L $\leq\pm 5\%$	≥ 0.990
HGB	20 g/L~70g/L 71 g/L ~ 250g/L 20 \times 10 ⁹ /L ~ 100 \times 10 ⁹ /L 101 \times 10 ⁹ /L ~	$\leq\pm 2$ g/L $\leq\pm 2\%$	$\leq\pm 2$ g/L $\leq\pm 3\%$	≥ 0.990
PLT	5000 \times 10 ⁹ /L	$\leq\pm 10\times 10^9$ /L $\leq\pm 10\%$	$\leq\pm 10\times 10^9$ /L $\leq\pm 10\%$	≥ 0.990

Repeatability

Parameters	Range of tests	Whole blood	Predilute sample
WBC	3.5 \times 10 ⁹ /L~15.0 \times 10 ⁹ /L	$\leq 2.5\%$	$\leq 2.0\%$
RBC	3.50 \times 10 ¹² /L~6.00 \times 10 ¹² /L	$\leq 2.5\%$	$\leq 2.0\%$
HGB	110 g/L~180 g/L	$\leq 1.5\%$	$\leq 1.0\%$
MCV	80 fL~110 fL	$\leq 4.0\%$	$\leq 8.0\%$
PLT	100 \times 10 ⁹ /L~149 \times 10 ⁹ /L		

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