

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 Size (W*D*H) 565×445×565 (mm)

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:10μl,Capillary blood: 10μl, Prediluted: 20μl
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	57×30mm
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 correlatio coefficient r
WBC	$1.0 \times 10^9 /L \sim 10.0 \times 10^9 /L$	$\leq \pm 0.30 \times 10^9 /L$	$\leq \pm 0.50 \times 10^9 /L$	≥ 0.990
	$10.1 \times 10^9 /L \sim 200 \times 10^9 /L$	$\leq \pm 5\%$	$\leq \pm 5\%$	
	$0.00 \times 10^{12} /L \sim 1.00 \times 10^{12} /L$	$\leq \pm 0.05 \times 10^{12} /L$	$\leq \pm 0.05 \times 10^{12} /L$	
RBC	$1.01 \times 10^{12} /L \sim 8.00 \times 10^{12} /L$	$\leq \pm 5\%$	$\leq \pm 5\%$	≥ 0.990
	$20 g/L \sim 70 g/L$	$\leq \pm 2 g/L$	$\leq \pm 2 g/L$	
	$71 g/L$			
HGB	$\sim 250 g/L$	$\leq \pm 2\%$	$\leq \pm 3\%$	≥ 0.990
	$20 \times 10^9 /L \sim 100 \times 10^9 /L$	$\leq \pm 10 \times 10^9 /L$	$\leq \pm 10 \times 10^9 /L$	
	$101 \times 10^9 /L \sim 5000 \times 10^9 /L$	$\leq \pm 10\%$	$\leq \pm 10\%$	
PLT				

Repeatability

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

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