



ESBK-3200

Auto Hematology Analyzer



LABORATORY



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Features

1. 9.7-inch color touch LCD screen, easy to operate, display all parameters and histograms on the same screen
2. Fewer samples are required for testing: whole blood $\leq 12\mu\text{l}$, pre-diluted $\leq 20\mu\text{l}$
3. 60 samples/hour.
4. 21 parameters + 3 histograms
5. It can be turned on continuously for 24 hours
6. Automatically clean the sampler, counting pool and pipeline after starting up
7. Built-in thermal printer, external printer can be connected.
8. Electrical impedance method, cyanide-free detection of HGB
9. Fully intelligent blockage removal and alarm function
10. Both automatic calibration and manual calibration are available
11. Counting Mode: Venous, capillary, prediluted
12. Support LIS system

Parameters

Throughput	60 samples/hour				
Principle	Impedance for WBC differentiation and WBC/RBC/PLT count; Colorimetric method for HGB				
Channels	2				
Parameters	21 parameters(including WBC, Mid#, Lym#, Gran#, Mid%, Lym%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW. PCT, P-LCR, P-LCC)				
Histograms	3 histograms (including WBC, RBC, PLT histograms)				
Sample Volume	Whole blood: $12\mu\text{l}$, Prediluted: $20\mu\text{l}$				
Calibration	Manual, auto calibration				
Counting Modes	Venous, capillary, prediluted				
Printing Model	Auto print, manual print				
LIS	Support Bi-directional LIS				
Language	Chinese, English, Spanish, French, Russian, Ukrainian				
Reagent	Diluent 10L, Hemolytic agent 250ml, Probe cleanser: 50ml				
Data Input	9.7-inch touch screen, mouse, keyboard (optional)				
Output	Internal printer, support external printer				
Printer paper	57*30mm				
Interface	4 USB ports, network port. RS232 serial port.				
Storage	100,000 results with histogram				
Unclog	High voltage burn, reverse high-pressure flush				
Work Temperature	15-30°C				
Power Supply	100~240 AC, 50/60Hz, 150VA				
Relative Humidity	30%~85%				
Atmospheric Pressure	70.0kPa~110.0kPa				
Carry-over rate	Parameter	WBC	RBC	HGB	PLT
	CV	$\leq 1.5\%$	$\leq 1\%$	$\leq 1\%$	$\leq 3\%$
Background	Parameter	WBC	RBC	HGB	PLT
	Background	$\leq 0.3 \times 10^9/\text{L}$	$\leq 0.03 \times 10^{12}/\text{L}$	$\leq 1 \text{ g/L}$	$\leq 0.5\%$
Linearity	Parameter	Measurement range		CV	
	WBC	$(0.5 \sim 10.00 \times 10^9)/\text{L}$ $(10.10 \sim 99.9 \times 10^9)/\text{L}$			$(\pm 0.5 \times 10^9)/\text{L}$ $\pm 5\%$
	RBC	$(0.05 \sim 1.00 \times 10^{12})/\text{L}$ $(1.01 \sim 9.99 \times 10^{12})/\text{L}$			$(\pm 0.05 \times 10^{12})/\text{L}$ $\pm 5\%$
	HGB	$(2 \sim 70 \text{g})/\text{L}$ $(71 \sim 300.0 \text{g})/\text{L}$			$(\pm 2.0 \text{g})/\text{L}$ $\pm 2\%$
	PLT	$(10 \sim 100 \times 10^9)/\text{L}$ $(101 \sim 999 \times 10^9)/\text{L}$			$(\pm 10.0 \times 10^9)/\text{L}$ $\pm 8\%$
Precision	Parameter	Whole blood (CV)	Pre-diluted (CV)	Measurement range	
	WBC	$\leq 2.0\%$	$\leq 4.0\%$	$(4.0 - 15.0 \times 10^9)/\text{L}$	
	RBC	$\leq 1.6\%$	$\leq 3.0\%$	$(3.5 - 6.0 \times 10^{12})/\text{L}$	
	HGB	$\leq 1.6\%$	$\leq 3.0\%$	$(110.0 - 180.0 \text{g})/\text{L}$	
	MCV	$\leq 1.0\%$	$\leq 2.0\%$	$(70.0 - 120.0) \text{fL}$	
PLT	$\leq 4.0\%$	$\leq 8.0\%$	$(150.0 - 500.0 \times 10^9)/\text{L}$		
External Size(W*D*H)	295*467*418mm				
Packed Size(W*D*H)	Instrument: 404*564*616mm; Reagent: 340*340*340mm				
Net Weight	19KG				
Gross Weight	31KG				



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