

Hematology Analyzer

BH-HA310



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: venous blood: 10μl, capillary: 10μl, prediluted: 20μl.
- 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:

Model	BH-HA310					
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	Venous blood: 10μl, Capillary: 10μl, Prediluted: 20μl					
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	10~40℃					
Power Supply	100~240 AC, 50/60Hz, 150VA					
Relative Humidity	≤80%					
Atmospheric Pressure	86.0kPa~106.0kPa					
Carry-over rate	Parameter	WBC	RBC	HGB	PLT	
	CV	≤ 1.5%	≤ 1%	≤ 1%	≤ 3%	
Background	Parameter	WBC	RBC	HGB	HCT	PLT
	Background	≤ 0.5*10 ⁹ /L	≤ 0.05*10 ¹² /L	≤2 g/L	≤ 0.5%	≤ 10*10 ⁹ /L
Linearity	Parameter	Measurement range		CV		
	WBC	(1.0~10.00*10 ⁹)/L; (10.10~99.9*10 ⁹)/L		(±0.5*10 ⁹)/L; ±5%		
	RBC	(0.3~1.00*10 ¹²)/L; (1.01~7*10 ¹²)/L		(±0.05*10 ¹²)/L; ±5%		
	HGB	(20~70)g/L; (71~200.0)g/L		(±2.0g)/L; ±3%		
	PLT	(20~100*10 ⁹)/L; (101~999*10 ⁹)/L		(±10.0*10 ⁹)/L; ±10%		
Precision	Parameter	Repeatability		Measurement range		
	WBC	≤ 4.0%		(3.5~9.5*10 ⁹)/L		
	RBC	≤ 2.0%		(3.8~5.8*10 ¹²)/L		
	HGB	≤ 2.0%		(115~175)g/L		
	PLT	≤ 8.0%		(125-350*10 ⁹)/L		
	HCT	≤3.0%		35%~50%		
External Size(W*D*H)	295*505*430mm					
Packed Size(W*D*H)	Instrument: 404*564*616mm; Reagent: 340*340*340mm, 200*150*100mm					
Net weight	20kg					
Gross weight	Instrument: 23kg; Reagent:13kg,1kg					