

Auto Hematology Analyzer BK-3100



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≤10ul, pre-diluted≤20ul.
- 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.

Technical Parameter:

Model	BK-3100					
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: 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 20L, Hemolytic agent 500ml, 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	≤ 1.5%	≤ 1%	≤ 1%	≤ 3%	
Background	Parameter	WBC	RBC	HGB	HCT	PLT
	Background	≤ 0.3*10 ⁹ /L	≤ 0.03*10 ¹² /L	≤ 1 g/L	≤ 0.5%	≤ 10*10 ⁹ /L
Linearity	Parameter	Measurement range			CV	
	WBC	(0.5~10.00*10 ⁹)/L	(10.10~99.9*10 ⁹)/L	(±0.5*10 ⁹)/L	±5%	
	RBC	(0.05~1.00*10 ¹²)/L	(1.01~9.99*10 ¹²)/L	(±0.05*10 ¹²)/L	±5%	
	HGB	(2~70g)/L	(71~300.0g)/L	(±2.0g)/L	±2%	
	PLT	(10~100*10 ⁹)/L	(101~999*10 ⁹)/L	(±10.0*10 ⁹)/L	±8%	
Precision	Parameter	Whole blood (CV)	Pre-diluted (CV)	Measurement range		
	WBC	≤ 2.0%	≤ 4.0%	(4.0-15.0*10 ⁹)/L		
	RBC	≤ 1.6%	≤ 3.0%	(3.5-6.0*10 ¹²)/L		
	HGB	≤ 1.6%	≤ 3.0%	(110.0-180.0g)/L		
	PLT	≤ 4.0%	≤ 8.0%	(150.0-500.0*10 ⁹)/L		
External Size(W*D*H)	295*467*418mm					
Packed Size(W*D*H)	Instrument: 404*564*616mm; Reagent: 480*480*480mm					
Net Weight	19 kg					
Gross Weight	Instrument: 31kg; Reagent: 25 kg					