Veterinary Hematology Analyzer
BH-HA310VET

Introduction:

The Hematology Analyzer adopts classical resistance method to automatically count a variety of cells, also can classify simply according to the size of white blood cells, to help the lab easily achieve automation. Hematology Analyzer are perfectly in line with modern laboratory requirements in facilitation of operation as well as data management and communication functions.

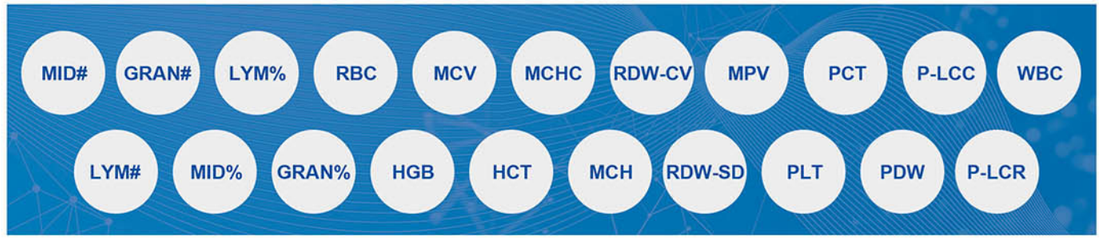
Application:

The Hematology Analyzer can detect abnormalities of healthy animals, assess sick animals and monitor sick animals undergoing treatment by performing routine blood tests. It is suitable for animal experiment center, drug research center, animal and plant quarantine department, zoo, pet hospital, animal husbandry and veterinary system and other institutions.

Features:

* Detection many animal species, with upgrade function
* Seven animal detection modes (cow, horse, sheep, goat, rabbit, dog, cat, camel)
* Automatic detection, eliminating manual error
* Abnormal results intuitive prompt, timely and accurate screening out abnormal experimental results
* Three detection modes: venous blood, peripheral blood, pre-diluted peripheral blood
* 9.7-inch color touch screen, data status at a glance
* One button for maintenance
* It can be turned on continuously for 24 hours
* Applying cyanide-free hemolytic agent to sample, safe and environmental protection without stimulation
* Automatic system diagnosis and maintenance, with a variety of alarm functions
* Fully enclosed reagent line, no contamination
* Excellent data management and communication function, automatically store 100,000 results
* Supporting online remote diagnosis and quality control

The BH-HA310VET Hematology Analyzer has three detection modes of venous blood, capillary blood, prediluted blood, including 21 detection parameters:



Parameters:

Model	BH-HA310VET				
Throughput	50 samples/hour				
Principle	Impedance for WBC differentiation, WBC/RBC/PLT count, Colorimetric method for HGB				
Channel	2				
Parameters	21 parameters (including MID#, GRAN#, LYM%, RBC, MCV, MCHC, RDW-CV, MPV, PCT, P-LCC, WBC, LYM#, MID%, GRAN%, HGB, HCT, MCH, RDW-SD, PLT, PDW, P-LCR)				
Histograms	3 histograms (including WBC,RBC,PLT)				
Sample Volume	Venous blood: 10μl; Capillary blood: 10μl; Prediluted: 20μl				
Calibration	Manual calibration, automatic calibration, and fresh blood calibration				
Counting Mode	Venous blood, capillary blood, prediluted blood				
Printing Model	Auto print, manual print				
LIS System	Supporting Bi-directional LIS				
Language	Chinese, English, Spanish, French				
QC	L-J、X-B				
Reagent	Diluent 10L, Hemolytic agent 250ml (animal specific), Probe cleaner 50ml				
Date Input	9.7-inch touch screen; mouse, keyboard (optional)				
Output	Built-in printer, supporting external printers				
Printer Paper	57*30mm				
Interface	4 USB ports, 1 network port, and 1 RS232 serial port				
Storage	Automatic storage, 100,000 results with histograms (including sample information)				
Information Transmission	Bidirectional LIS communication, HL7 and many other transmission protocols				
Unclog	Reverse high-pressure flush				
Work Temp.	10~40°C				
Power Supply	AC100~240V, 50/60Hz				
Relative Humidity	≤80%				
Atmospheric Pressure	86.0kPa~106.0kPa				
Carry-Over Rate	Parameter	WBC	RBC	HGB	PLT
	CV	≤ 1.5%	≤ 1.0%	≤ 1.0%	≤ 3.0%
Background	WBC	RBC	HGB	PLT	
	≤ $0.5*10^9$/L	≤ $0.05*10^{12}$/L	≤ 2g/L	≤ $10*10^9$/L	
Linearity	Parameter	Measurement Range	CV		
	WBC	(1～10.00)*10^9/L; (10.1-99.9)*10^9/L	±$0.5*10^9$/L; ±5%		
	RBC	(0.3～1.00)*10^{12}/L; (1.01-7.00)*10^{12}/L	(±$0.5*10^{12}$/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				
Package Size(W*D*H)	Instrument:404*564*616mm; Reagent 1: 340*340*340mm; Reagent 2: 200*150*100mm				
Net Weight	20kg				
Gross Weight	Instrument: 23kg; Reagent 1: 13kg; Reagent 2: 1kg				