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# **Hematology Analyzer BK-3200VET**



## 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:

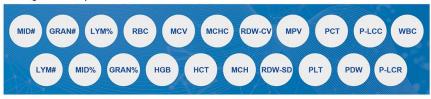
The Hematology Analyzer can detect abnormalities of healthy animals, assess sick animals and monitor sick animals undergoing treatment by performing routine blood tests. It is suitable for animal experiment center, drug research center, animal and plant quarantine department, zoo, pet hospital, animal 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 BK-3200VET Hematology Analyzer has three detection modes of venous blood, capillary blood, prediluted blood, including 21 detection parameters:



## Parameters:

Model	BK-3200VET								
Throughput	60 samples/ho	60 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								
Llista arama	P-LCC, WBC, LYM#, MID%, GRAN%, HGB, HCT, MCH, RDW-SD, PLT, PDW, P-LCR)								
Histograms	3 histograms (including WBC,RBC,PLT)								
Sample Volume Calibration	Venous blood: 10µl; Capillary blood: 10µl; Prediluted: 20µl								
	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%	00 00 /						20	
Atmospheric Pressure	86.0kPa~106.0	)kPa	AN AN AN	. DIDI	100	0.0	10	11	
Carry-Over Rate	Parameter	WBC RBC H		HGB	GB		PLT		
	CV	≤ 1.5%	≤ 1.0%			1.0%		≤ 3.0%	
Background	WBC	RBC		HGB		PLT			
	≤ 0.5*10°/L	≤ 0.05*10 <sup>12</sup> /L		≤ 2g/L			≤ 10*10°/L		
Linearity	Parameter	Measurement Range CV					, 10 / L		
	WBC	(1~10.00)*10°/L; (10.1-99.9)*10°/L ±0.5*10°/L; ±5%							
	RBC	(0.3~1.00)*10 <sup>12</sup> /L; (1.01-7.00)*10 <sup>12</sup> /L				(±0.5*10 <sup>12</sup> /L; ±5%			
	HGB	(20~70)g/L; (71~200.0)g/L				±2.0g/L; ±3%			
	PLT	(== :=)g:=; (: : ===::)g:=					±10.0*10°/L; ±10%		
	Parameter	(== /== / (== /== / == / == / == / == /							
	WBC	≤ 4.0%				Measurement range			
	RBC					(3.5~9.5)*10°/L			
	-1000000	(5:5 5:5) 15 12							
	7/42/03/02/	HGB ≤ 2.0% (115~175)g/L							
	PLT						(125-350)*10°/L		
F-+	HCT	≤3.0% 35%~50%							
External Size(L*W*H)		(L*W*H)295*467*418mm							
Package Size(L*W*H)	Instrument:404*564*616mm; Reagent: 340*340*340mm; 200*150*100mm								
Net Weight	19kg	100000 C							
Gross Weight	Instrument: 31	kg; Reagent: 13k	g; 1kg						