BioLAB

PRODUCT CATALOG



AUTOMATIC VETERINARY HEMATOLOGY ANALYZER BEM-40201

CE ISO9001 CERTIFIED

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HEMATOLOGY ANALYZER BEM-40201

VETERINARY AUTO HEMATOLOGY ANALYZER



1. Detection of many animal species, with upgrade function.
2. Seven animal detection modes(cow, horse, sheep, goat, rabbit, dog, cat, camel).
3. Automatic detection, eliminating manual error.
4. Abnormal results intuitive prompt, timely and accurate screening out abnormal experimental results.
5. Three detection modes: venous blood, peripheral blood, pre-diluted peripheral blood.
6. 9. 7-inch color touch screen, data status at a glance.
7. One button for maintenance.
8. It can be turned on continuously for 24 hours.
9. Applying cyanide-free hemolytic agent to sample, safe and environmental prote

SPECIFICATIONS

Model	BEM-40201
Throughput	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, 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℃
Power Supply	AC100~240V, 50/60Hz
Relative Humidity	≤80%
Atmospheric Pressure	86.0kPa~106.0kPa
Carry-over Rate Parameter :	WBC : ≤1.5%RBC : ≤1%HGB : ≤1%PLT : ≤3%
Background Parameter :	WBC : ≤0.5*109/LRBC : ≤0.05*1012/LHGB : ≤2g/LPLT : ≤10*109/L
Linearity	WBC : ±0.5*109/L ±5%RBC : ±0.5*1012/L ±5%HGB : (±2.0g)/L ±3%PLT : ±10.0*109/L ±10%
Precision	WBC : ≤4.0%RBC : ≤2.0%HGB : ≤2.0%PLT : ≤8.0%HCT : ≤3.0%

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
Alt Name	Veterinary Auto Hematology Analyzer

FEATURES

1. Detection of many animal species, with upgrade function.
2. Seven animal detection modes(cow, horse, sheep, goat, rabbit, dog, cat, camel).
3. Automatic detection, eliminating manual error.
4. Abnormal results intuitive prompt, timely and accurate screening out abnormal experimental results.
5. Three detection modes: venous blood, peripheral blood, pre-diluted peripheral blood.
6. 9. 7-inch color touch screen, data status at a glance.
7. One button for maintenance.
8. It can be turned on continuously for 24 hours.
9. Applying cyanide-free hemolytic agent to sample, safe and environmental protection without stimulation.
10. Automatic system diagnosis and maintenance, with a variety of alarm functions.
11. Fully enclosed reagent line, no contamination.
12. Excellent data management and communication function, automatically store 100,000 results.
13. Supporting online remote diagnosis and quality control.

APPLICATIONS

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 an animal experiment center, drug research center, animal and plant quarantine department, zoo, pet hospital, animal husbandry and veterinary system and other institutions.

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