

BC-5000 Vet

Auto Hematology Analyzer

Technical Specifications

Principles

Flow Cytometry (FCM), Tri-angle Laser scatter, chemical dye method and independent Basophil channel
Advanced DC impedance method for RBC and PLT counting
Cyanide free reagent for hemoglobin test

Parameters

23 parameters: WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT
3 histograms for WBC, RBC and PLT
3 scattergrams for WBC differential

Performance

Parameter	Linearity Range	Precision
WBC($10^9/L$)	0.00 – 100.00	3.0 (6.00-15.00)
RBC ($10^{12}/L$)	0.00 -17.00	2.0 (3.50 -10.00)
HGB (g / L)	0 - 250	2.0 (110 -180)
MCV(fL)	5 - 250	1.0 (60 -95)
PLT($10^9/L$)	0 - 3000	6.0 (150-500)

Carryover

WBC , RBC \leq 0.5% , HGB \leq 0.6% , PLT \leq 1.0 %

Sample Volume

Whole blood mode 15 μ L
Prediluted mode 20 μ L

Throughput

Up to 60 samples per hour

Reagent

V-52D DILUENT
V-52DIFF LYSE
V-52LH LYSE
PROBE CLEANSER

Species

Dog, Cat, Horse, Rat*, Monkey*, Mouse*, Ferret*, Rabbit*, Pig*, Cow*, Llama*, Goat* and Sheep* (*Coming soon)
Animal 1 to Animal 20

Display

10.4 inch TFT Touch Screen

Data Storage Capacity

Up to 40,000 results including numeric and graphic information

Interface

4 USB, LAN

Printout

External Laser printer / Inkjet printer, various printout formats and User-defined formats

Operating Environment

Temperature: 10°C~30°C
Humidity: 20%~85%
Air pressure: 70kPa~106kPa

Power Requirement

A.C 100V-240V, \leq 300 VA, 50/60 Hz

Dimension and Weight

Depth(410 mm) x width(325 mm) x height(435 mm)
Weight: 25kg



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Auto Hematology Analyzer

"CUTE" solution for
veterinary hematology



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healthcare within reach

Small footprint together with interior compartment to store lyse reagents helps you optimize your space.

Compact



10.4 inch TFT touch screen with a wide viewing angle maximizes convenience for clinicians. Users can complete all instrument operations via touch screen interface, practically eliminating the need for an external PC.

Utility

Animal Species

13 animal types including Dog, Cat, Horse, Monkey, Ferret, Rat, Mouse, Rabbit and Pig, Cow, Llama, Goat and Sheep
+ 20 self-programmed animals

* Monkey, Ferret, Rat, Mouse, Rabbit and Pig will be ready in the September 2014

* Cow, Llama, Goat and Sheep will be ready in the December 2014

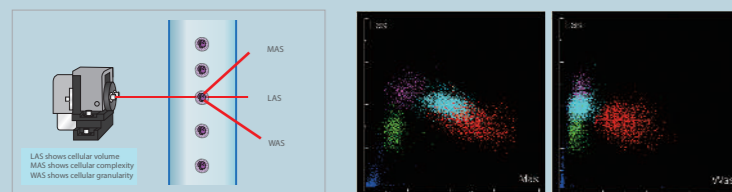


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Technology

Tri-angle laser scatter + focused flow + chemical dye, allowing the possibility for a better 5-part WBC differentiation even on samples with high Eosinophil.



Efficient

BC-5000 Vet uses only three routine reagents with 2 years shelf life and low consumption. Original QC and calibrator are also provided to ensure the hematology analyzer's traceability.