

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, Monkey, Rat, Mouse, Rabbit, Pig, Panda, Ailurus, Cow, Llama, Goat, Sheep and Ferret

Display

10.4 inch TFT Touch Screen

Data Storage Capacity

Up to 40,000 results including numeric and graphic information

Interface

4 USB, LAN
Support bi-directional LIS

Printout

External Laser printer/Thermal printer/ Thermal 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



BC-5000 Vet

Auto Hematology Analyzer

"CUTE" solution for
veterinary hematology



Mindray Building, Keji 12th Road South,
High-tech Industrial Park, Nanshan, Shenzhen 518057, P.R. China
Tel: +86 755 8188 8998 Fax: +86 755 26582680
E-mail: intl-market@mindray.com www.mindray.com
Mindray is listed on the NYSE under the symbol "MR"

mindray are registered trademarks or trademarks owned by Shenzhen Mindray Bio-medical Electronics Co., LTD.
©2014 Shenzhen Mindray Bio-Medical Electronics Co., Ltd. All rights reserved. Specifications subject to changes without prior notice.
P/N: ENG-BC5000Vet-21285x4-20150430

mindray

mindray
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

16 animal species including Dog, Cat, Horse, Monkey, Rat, Mouse, Rabbit, Pig, Panda, Ailurus, Cow, Llama, Goat, Sheep, Ferret and Camel

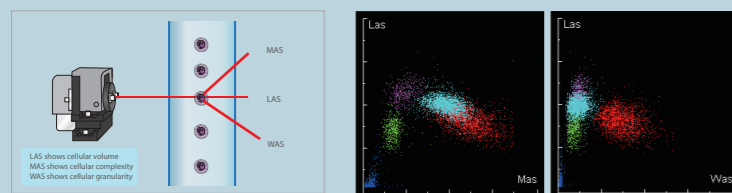
+ 20 self-programmed animals



BC-5000 Vet
Auto Hematology Analyzer

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.