

# 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  $\mu$ L  
Prediluted mode 20  $\mu$ 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



## BC-5000 Vet

### Auto Hematology Analyzer

"CUTE" solution for  
veterinary hematology



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

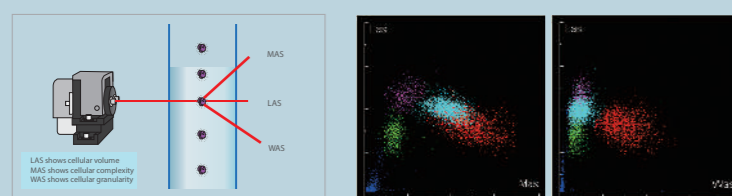
\* Cow, Llama, Goat and Sheep will be ready in the December 2014



**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.



Работайте с лучшими,  
всё остальное компромисс!

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