

## Technical Specifications

### Principles

Impedance method for WBC, RBC and PLT count  
Cyanide free reagent for hemoglobin test

### Parameters

WBC, Lym#%, Mon#%, Gran#%, RBC, HGB, MCV, MCH, MCHC, RDW-CV, RDW-SD, HCT, PLT, MPV, PDW, PCT, P-LCR, P-LCC  
\*P-LCR and P-LCC only available for dog.  
3 histograms for WBC, RBC and PLT

### Sample Volume

Prediluted mode 20 $\mu$ L  
Whole blood mode 9 $\mu$ L

### Throughput

30 samples per hour

### Display

8.4 inch TFT touch screen

### Multi-language

Chinese, English, Russian, French, Spanish, Portuguese, German, Italian, Polish, Turkish

### Species

Dogs, cats, horses, rats, mice, rabbits, monkeys, pigs, cows, alpacas, camels, sheep, goats 13 species + 20 custom species

### Data Storage

Up to 100,000 results including numeric and graphical information

### Communication

LAN Port supports HL7 protocol  
Support bi-directional LIS

### Interface

4 USB ports (for external printer, software upgrade, barcode reader, external WIFI, keyboard and mouse), 1 LAN port

### Printout

Thermal recorder, 50 mm wide paper

### Operation Requirement

Temperature: 15 $^{\circ}$ C~30 $^{\circ}$ C  
Humidity: 20%~85%  
Air pressure: 70kPa~106kPa

### Power Requirement

(100V-240V) $\pm$ 10%  
 $\leq$ 180VA  
(50Hz/60Hz)  $\pm$ 1Hz

### Dimension and Weight

Dimension: Depth (410 mm) x width (325 mm) x height (435 mm)  
Weight: 20kg



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P/N:ENG-BC-20 Vet-210285X4P-20240201  
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## BC-20 Vet Auto Hematology Analyzer

# Quality You Can Always Trust





### WiFi Function

Support external WiFi module  
Information transfer without network wiring



### Flag Information

Advanced flagging provides early warning signs, such as alarm in WBC, RBC and PLT, aiding doctors in accurate disease prognosing



### Internal Printer

Built-in thermal-printer for quick report generation



### Built-in Lyse compartment

Built-in Lyse storage



### Color Touch Screen

Easy operation with 8.4 inch of color touchscreen



### Species

13 species - dog, cat, horse, rat, mouse, rabbit, monkey, pig, cattle, alpaca, camel, sheep, goat & 20 customizable species



### Sleek Design

Modern and smart

## Temperature Controlling System

- ▶ **Adapt to multiple scenarios**  
An advanced temperature control system ensures stable output results in varying temperature scenarios.
- ▶ **Extremely low instrument clog rate**  
This advanced temperature control system maintains a constant temperature and reduces clogging.



## Reliable and Stable

- ▶ **Robust**  
The instrument uses precision components such as syringes, valves, electrodes, etc. 100% of the instrument underwent numerous tests, including aging and parts tests verification.
- ▶ **Stable**  
A rigorous process is followed during the production of reagents.

## Economical and Accessible

- ▶ **Economical**  
An optimized liquid system design with only two testing reagents adequately reduces the testing cost.
- ▶ **Modern and genius design throughout**  
Built-in touchscreen makes operation accessible on the fingertip.

