



## Veterinary Blood Gas Analyzer

Vcare-5000

### Operation Note

**1 Working environment:**  
Optimal operating environment of the instrument: Temperature 10 °C ~ 30 °C, humidity 25% ~ 80%, air pressure 70-106.6kPa, altitude -500 ~ 3000m.

**2 Blood sample preparation :**  
A. Non-vacuum anticoagulation tube will affect pH, pCO<sub>2</sub>, pO<sub>2</sub> and related calculated values; inconsistent blood collection volume and anticoagulation tube volume will affect test results.  
B. The blood volume is less than 400 μL, and the sample in the anticoagulation tube is not sufficiently mixed (which may cause coagulation), which will affect the test results.  
C. Air bubbles in the sample area at the front of the syringe piston can cause test errors, resulting in discarded cards or inaccurate test results.  
D. Test within 5 min after blood sample is ready.

**3 Sample test:**  
A. When inserting the syringe into the test card, and make sure that the air leak is not loosened, and the steel needle is not pushed to the position of the piston, and be careful not to touch the metal electrode during operation, otherwise it will cause a waste card.  
B. Do not pull out the test card in the wrong direction. You can restart the instrument and the test card will pop up automatically.

**4 The validity of the product:** The calibration solution package and test card should be used within the validity period. If the validity period is exceeded, immediately replace the product within the validity period and retest (the expired product will cause uncontrollable effects on the test results).

**5 Other notes:**  
A. Please don't take out the calibration solution package while the instrument is turned on. If the above situation occurs, please contact the manufacturer after sales.  
B. If the instrument is transported for a long distance, please take out the calibration solution package in the off state and cover the lid of the package in time. After the instrument is transported, load it again in the off state, and then start the instrument.  
C. pH, pCO<sub>2</sub>, and pO<sub>2</sub> in blood are susceptible to external interference factors. Blood collection should be performed as quietly as possible.  
D. Close the top cover firmly when installing the thermal paper, and the paper output direction facing up.  
E. Pay attention to the effects of drugs on blood gas test values, blood tests should be taken before or after 12 hours.  
F. After the test, please pull out the test card in time to prevent the blood sample from contaminating the reagent kit calibration solution and internal controls of the instrument.

