

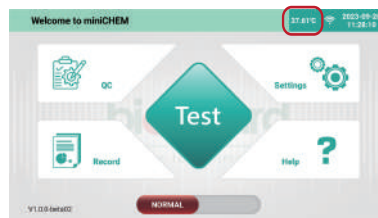
## Veterinary Coagulation and Chemistry Combo Analyzer User Guide

### 1. Before testing

1. Turn on the power switch on the back of the instrument, and the self-inspection program will appear on the instrument screen. Please wait patiently for the instrument to complete the self-test. Please warm up the instrument for 30 minutes before testing, and confirm that the instrument temperature has reached 37±0.5 °C.
2. Take the refrigerated disc out and warm it for 10 minutes at room temperature.



Power switch



Temperature shown on main interface

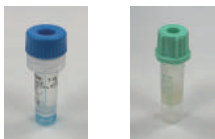


Take the refrigerated disc out and warm it at room temperature

### 2. Specimen preparation

1. Chemistry testing :
  01. Sample volume : 140µL
  02. Specimen : whole blood or plasma collected in lithium heparin-containing anticoagulant tubes (green top tube), serum. When using lithium heparin blood collection tubes to collect samples, the tubes should be at least half full to maintain the correct ratio of sample to anticoagulant.
2. Coagulation function :
  01. Sample volume : 180µL
  02. Specimen : Whole blood or plasma collected in sodium citrate-containing anticoagulant tubes (blue top tube), serum. When using sodium citrate blood collection tubes to collect samples, enough blood should be collected to label mark of the tube to maintain the correct ratio of sample to anticoagulant.
3. When mixing blood with anticoagulant, invert gently at least five times to mix thoroughly. Do not shake vigorously.
4. Please use the samples within 60 minutes of sample collection. If it cannot be tested in time, the plasma should be separated and stored at 2 to 8°C, and should not exceed 6 hours.

Coagulation Chemistry



1. Select the correct blood collection tubes



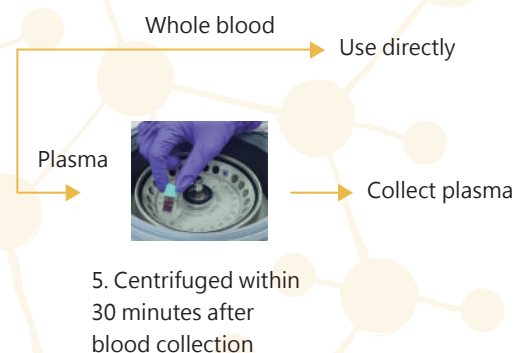
2. Venous blood sampling



3. Remove needle and transfer the blood gently to the collection tube to avoid hemolysis



4. Invert gently at least five times to mix thoroughly. **Do not shake vigorously.**



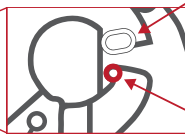
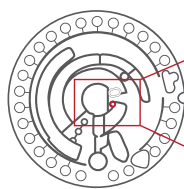
### 3. Testing

1. Click "Test" on miniCHEM main interface
2. Take the test disc out from refrigerator. Scan the QR code on the aluminum bag with scanner on the right side of the instrument, and confirm the test items.



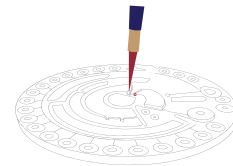
Scan QR code here

3. Follow the instruction on test preparation interface for testing
  01. Warm the test disc for 10 minutes at room temperature. Take the disc out of the sealed bag, and fix the reagent disc on the tray rack.
  02. Chemistry: Use a pipette to inject 140 $\mu$ L sample into red circle and 750 $\mu$ L diluent into white circle.
  03. Coagulation function: Use a pipette to inject 180 $\mu$ L sample into red circle and 180 $\mu$ L diluent into white circle.



Add diluent

Add sample



4. Open the lid of the instrument, place the reagent disc and tray rack into the instrument. Then, close the lid and click start to start the test.
5. Enter sample ID, pet' s name....., and click confirm.
6. Start the test, and the screen will show the test progress. Each test takes about 12-15 minutes.

**Do not open the lid during the test.** If the upper cover is opened due to mis-operation, the disc will stop running and the screen will display an alarm. This test will be invalid. Please take back the disc and dispose it as scrap. If you need to continue the test, please restart the test following the normal test process.

If you need to cancel the test during testing, or the instrument makes an abnormal sound, please click the "Cancel" button in the test interface. The interface will pop up the "Do you want to cancel the test!" dialog box. Click "Confirm Cancel" to cancel the test.

### 4. Test results

1. After the test is completed, the results will be automatically printed and displayed on the screen.
2. To perform the next test, click the upper left icon to return to the main interface, and then follow the previous steps to perform the test.
3. If you need to check the previous test data, click the "Record" in the main interface to check previous test records.

**After the daily test is completed, please turn off the power**

