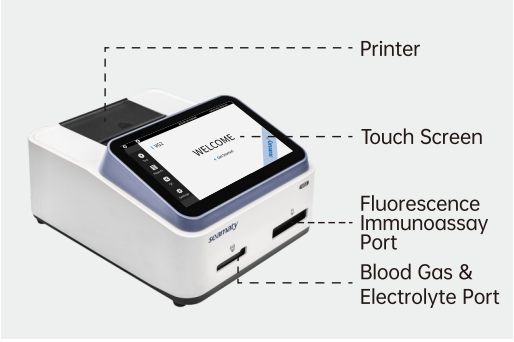
P/N: F00JY920VE00
Version: A0 Revision date: 14th Oct., 2022
This Operation Guide is Only Applicable to VG2 Series Blood Gas & Immunoassay Analyzer

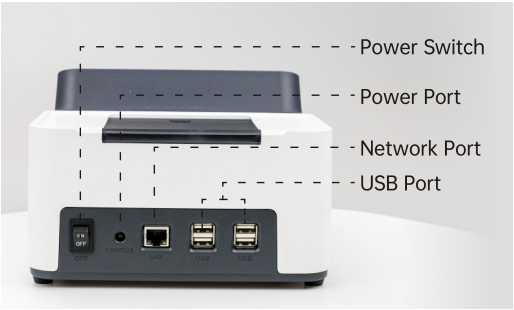
VG2 Veterinary Blood Gas & Immuno-assay Analyzer

Operation Guide

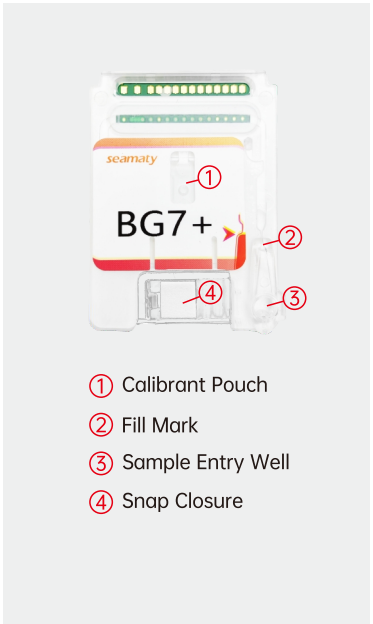
Overview

1、Analyzer Introduction

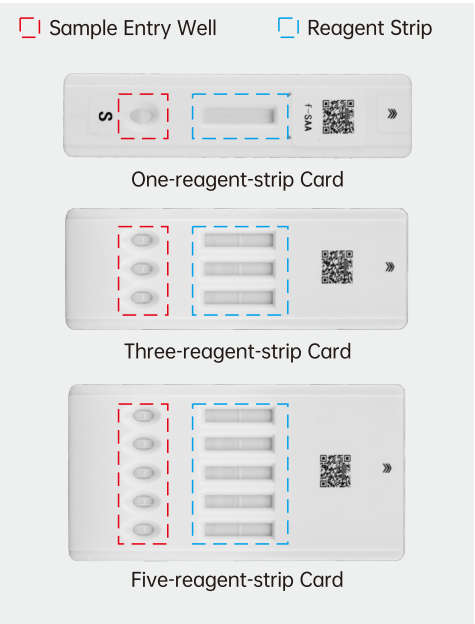




2、Blood Gas & Electrolyte Test Card



3、Fluorescence Immunoassay Test Card



Preparation

1. Turn on the analyzer

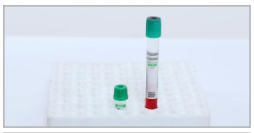
After connecting the power adapter, turn on the power switch on the back of the analyzer (turn the switch to "ON" to open, and "OFF" to close) . About one and a half minutes for startup.

2. Before testing (blood gas & electrolyte)



2.1 Reagent warm-up

After taking out the test card from the refrigerator, please put it under room temperature for 20 minutes to warm-up.



2.2 Blood sample collection

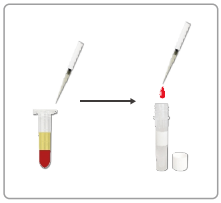
a)Collect fresh whole blood and seal it well in a blood collection tube containing lithium heparin.

b)Use arterial blood gas needle, otherwise, use calcium-balanced heparin or lithium heparin blood collection tube to collect sample.



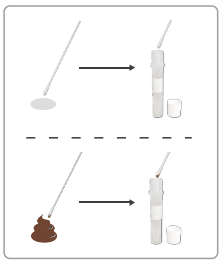
3. Before testing (fluorescence Immunoassay)

(The test card, sample and sample diluent should be returned to room temperature before use.)



3.1 Whole blood/serum/plasma/ascites samples

Add the corresponding volume of whole blood/ serum/ plasma/ ascites to the sample diluent and mix well.



3.2 Eye, mouth, nose swabs and Fecal samples

a)Take out the cotton swab and turn it 3 times on the lower eyelid, glossopharyngeal and nostril in turn. And then put it in the sample diluent to rinse several times. Let the sample mix well with the diluent.

b)Take out the cotton swab and dip a small amount of feces. Rinse it several times in the sample diluent and make the sample fully dissolve. After dissolving of the sample, mix the sample with the diluent well and let it for stratification (or use a low-speed centrifuge to separate).

*Seamaty keeps the right for final interpretation.

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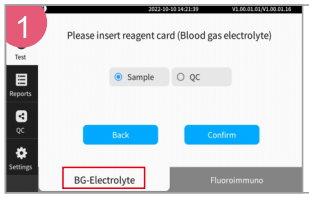
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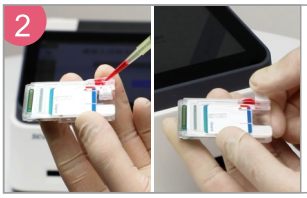
Operation

1、Run the blood gas & electrolyte test



Click "Test"

Select the BG-Electrolyte test type.



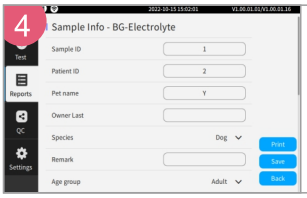
Add sample

a) Lay the reagent card flat after warm-up. Do not tilt or shake it violently.
b) Add 100 µl of sample to the sample entry well with a pipette or syringe.
c) Seal the test card with its closure.



Insert the test card and Click "Confirm"

a) Insert the test card with the text side of the logo facing upward into the blood gas & electrolyte test card port. Click "Confirm" to start the test.
b) Enter the sample information screen, input the sample information during the testing (sample information can keep blank).

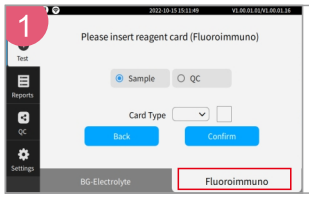


Wait for the test reports and check the test results

Check "Reports" to find the test results.

Note:
The sample information interface distinguishes the test type identification between Sample Information - Fluoroimmuno and sample Information – BG-Electrolyte.

2、Run the fluorescence immunoassay test



Click "Test"

Select the Fluoroimmuno test type.



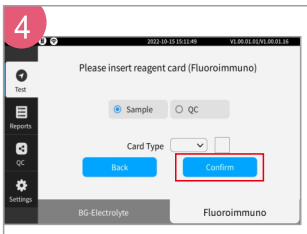
Add sample

Inject 100 µl of the sample mixture to the sample entry well of the test card.



Insert the test card

Insert the test card into the analyzer within 20s after adding the sample.



Click "Confirm" to perform incubation detection

a) If the reagent card has been incubated, the test can be performed directly skipping the incubation time.
b) Manual timing is also available. When multiple samples are tested at the same time, each test card needs to be added at an interval of 30s. After the reaction is completed, the test cards are inserted into the card port in turn.



Print report after test finished

Caution:

This product is only used for animal in vitro diagnosis. It is strictly prohibited to be used for human sample detection.

BG-Electrolyte:

1. When using the syringe to add samples, the syringe should be slowly squeezed to fill in the adding chamber to avoid bubbles.
2. Do not squeeze the test calibration liquid package. If the liquid package is broken, the test result will be affected.
3. When using the pipette, press the position to the first gear to collect the sample. Pause briefly and then press to the second gear to release the sample.
4. To avoid cross-contamination, the same pipette tips should not be used repeatedly to aspirate multiple samples.
5. When adding samples, ensure that the samples are completely into the test card. Otherwise abnormal testing process may be caused.
6. The test card should be tested on the analyzer immediately after the sample is added. Before the test, the test card after adding sample should avoid excessive tilt and deliberate shaking. Foreign matter and blots on the surface of the test card may affect the accuracy of the test results. It is recommended to wear powder-free gloves during operation.
7. If the test card is damaged before use or the test card is found to be broken after opening the package, the test card cannot be used for testing. Otherwise it may lead to abnormal testing process or even damage the analyzer.

Fluoroimmuno:

1. The product must be used within the validity period.
2. The test cards, samples and sample dilutions need to be returned to room temperature before use.
3. Cross-mixing of different batches and different products is strictly prohibited.
4. The test card must be inserted into the instrument for starting the test within 20s after the sample is added.
5. Note that one test card should be used for one sample dilution, and reuse is strictly prohibited.
6. Sampling errors (feces etc.) and sampling at different time periods may affect the test results. During operation, try to keep the same sampling volume and similar sampling time.
7. Combining the clinical symptoms of animals with the test results of our products can make the disease diagnosis more accurate and reliable.

*Seamaty keeps the right for final interpretation.

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