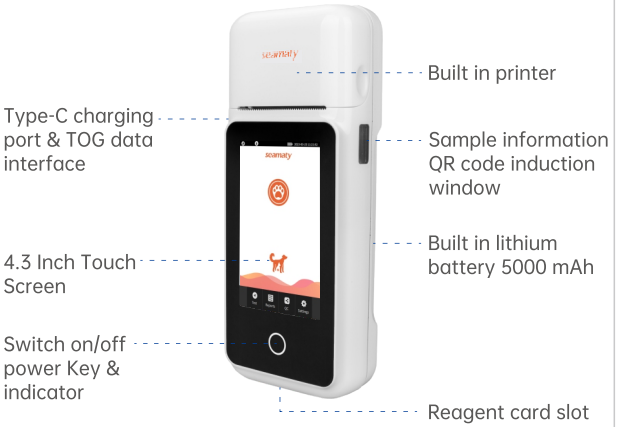
P/N: F00JY810VE00
Version: A0 Revision date: 24th Feb., 2023
This operation guide is only applicable to VG1 series blood gas & electrolyte analyzer

VG1 Blood Gas & Electrolyte Analyzer

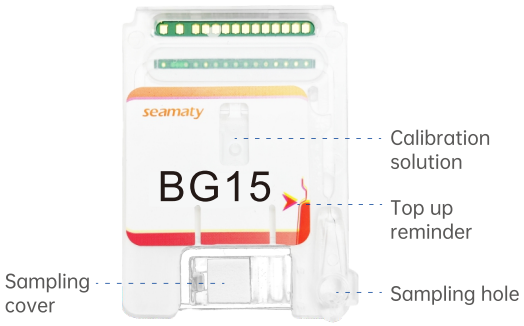
Simple Operation Guide

Appearance introduction

1. instrument



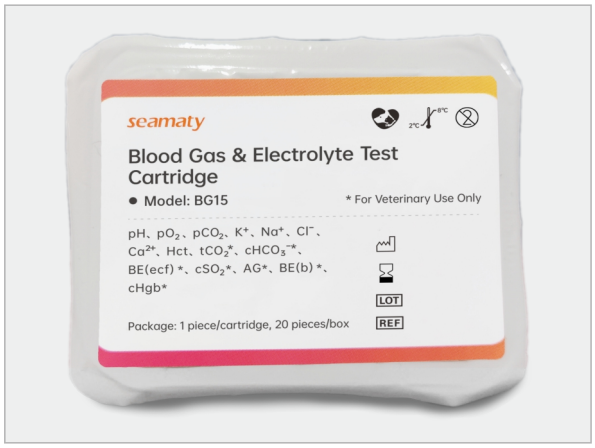
2. Cartridges



Preparing for the test

1. Reagent warm

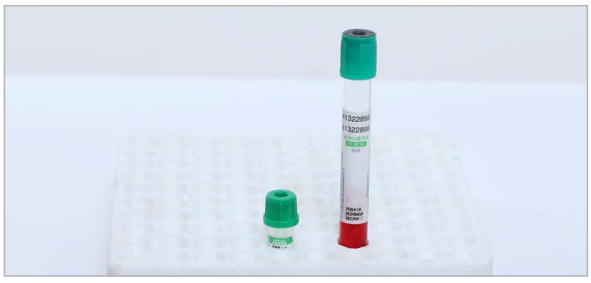
After removing the Cartridge from the refrigerator, let it stand at room temperature for 20 minutes to return to temperature.



2. blood sample collection

a) It is recommended to use fresh, airtight, heparin anticoagulant whole blood samples collected immediately.

b) It is recommended to use a professional arterial blood gas needle. If blood gas needles are not available, calcium titer (balanced) heparin or lithium heparin is recommended as an anticoagulant.





*Seamaty keeps the right for final interpretation.

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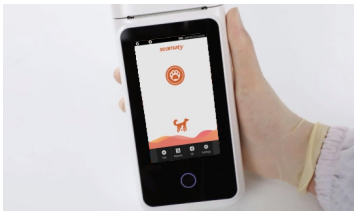
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VG1 Blood Gas & Electrolyte Analyzer

Simple Operation Guide

Steps

1. Turn on the instrument

· Press and hold for 2-3 seconds.

Note:
It takes about 3 minutes to warm up the instrument when it is turned on, please wait patiently.



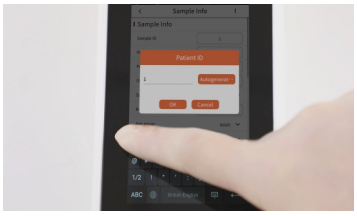


2. Add sample

· Remove the cartridges after rewarming and lay it flat, do not tilt or shake it violently;
· Using a pipette or syringe, add 100μL of the sample to the sample hole;
· After adding the sample, close the sample cover immediately and make sure it is tight.

Note:
1) When adding sample with a syringe, squeeze the syringe slowly so that the sample fills the sample cavity and no air bubbles are generated.
2) Do not squeeze the calibration solution bag forcibly , the rupture of the liquid bag will affect the test results.
3) When using the pipette , first press the piston to the first gear to aspirate the sample , and after a short pause, press the second gear to release the sample.
4) To avoid cross-contamination, the same tip cannot be reused to aspirate multiple samples.
5) When adding the sample, make sure that the sample completely enters the cartridges, otherwise it may cause abnormal detection process.
6) After the cartridges is added to the sample, it should be tested on the machine immediately. The cartridges after adding the sample should be avoided excessively tilted and deliberately shaken before the test on the machine.
7) If there are foreign objects and stains on the surface of the cartridges, it may affect the accuracy of the test results. It is recommended to wear powder-free gloves during operation.
8) If the independent packaging of the cartridges is damaged before use, or the cartridges is found to be broken after unpacking, it cannot be used for testing, otherwise it may cause abnormal testing process and even damage the analyzer.





3. Start testing

· Click Prepare for the test .Put the cartridges with the text logo facing up and insert it into the card slot .
· Click to start the test.During the test, tap Sample Information to enter patient information.




4. Read result

· Wait 4 minutes and the results will automatically print when the test is complete.

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