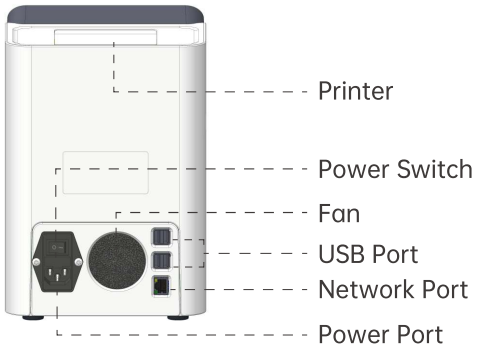
seamaty

P/N No.: F00JY150VE00
Version: A1 Revision Date: Dec 05, 2025 This guide is used for Qt3 only

Qt3 Auto Chemistry Analyzer Operation Guide

Overview





Preparation

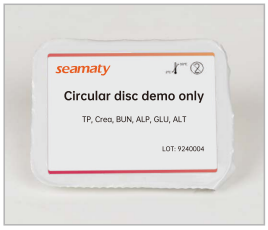
1. Preparing the Reagent Rotor

Take out the reagent rotor from the refrigerator and place it at room temperature for 20 minutes. (with the package)

*If the temperature of the reagent rotor is too low, the test results will be unreliable!







2. Sample Processing

a. **Biochemistry and immunoassay parameters:**
Inject the blood sample into the heparin anticoagulant tube and put on the cap.
Coagulation parameters:
Inject the blood sample into the sodium citrate anticoagulant tube and put on the cap.
b. Please use the two methods in the right figure to mix the blood samples evenly.



Biochemistry and immunoassay	Coagulation



Turn tube upside down slightly 3-5 times (Large amount)



Flick tube slightly 3-5 times (Small amount)

*Coagulation samples should be added to the 0.5ml black mark line.
* Before injecting blood sample, the needle must be removed to prevent hemolysis!

*Anticoagulant tubes with other ingredients may cause unreliable test results!
* Insufficient mixing will cause unreliable test results!

*This operation guide can be used as a guide for daily operation. It is recommended to post it next to the instrument!
*This operation guide does not list all the details. For more detailed instructions, please refer to Use Manual!
* In order to serve you better, we also filmed an operation video for you. Please download it on the official website!
*This instrument is a precision optical instrument. It is strictly forbidden to knock or drop it. Strong external force may cause damage to the instrument!
*This instrument has a built-in precision temperature control system. In order to ensure reliable test results, please use it in an environment with a temperature at 10-30℃ and a humidity ≤85%!
*Please use a neutral cleaning fluid to wipe the instrument surface and reagent rotor bracket, and operate carefully!

***Special note:** Hemolysis will affect the results. In order to prevent hemolysis, don't draw blood violently, and don't shake the needle frequently. The drawn blood should be mixed evenly in the anticoagulation tube as required to prevent violent shaking.

If you have any question or need any help, please contact our after-sales service team or the local distributor.
After-sales service phone: 028-69760306

*Seamaty keeps the right for final interpretation!

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Qt3 Auto Chemistry Analyzer Operation Guide

Operation Process

一、Test Circular Disc



1 Power on

Connect the power, turn on the power switch, the system starts and enters the standby interface.

*The instrument enters the self-test and preheating process automatically.
*In order to ensure the test chamber temperature is stable, the instrument will be preheated for 5 minutes before entering the formal test.



2 Add Sample

a. Open the package and take out the reagent rotor.
b. Use a pipette to aspirate 100μl blood sample.
c. Place the pipette perpendicular to the sample hole of the reagent rotor and inject the blood sample.

*Recommended to use 100μl quantitative pipette.
*The pipette button can be released only after the tip leaves the sample hole.



3 Place Reagent Rotor and Test

a. Click "Test", the drawer will pop up automatically, place the reagent rotor.
b. Click "CONFIRM", the drawer will close automatically and test.

*During the test, can input the sample information.



4 Print Report

The test will be finished within 12 minutes, the drawer will pop up automatically and print a report.

*The report will print automatically after the test is completed.
*Only the veterinary version will display abnormal parameters and clinical significance.
*The reference range will not be printed in the report if you don't select sample type.

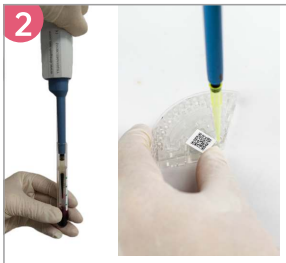
二、Test Sector Disc



1 Power on

Connect the power, turn on the power switch, the system starts and enters the standby interface.

*The instrument enters the self-test and preheating process automatically.
*In order to ensure the test chamber temperature is stable, the instrument will be preheated for 5 minutes before entering the formal test.



2 Add Sample

a. Open the package and take out the reagent rotor.
b. Use a pipette to aspirate 60~110μl blood sample.
c. Place the pipette perpendicular to the sample hole of the reagent rotor and inject the blood sample.

*Recommended to use adjustable pipette.
*The pipette button can be released only after the tip leaves the sample hole.



3 Sector Rotor Assembly

a. Take out the reagent tray and confirm the tray position number.
b. Install the sector rotor in the tray according to the position number.

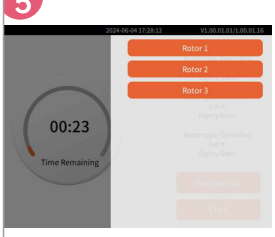
*When there are less than 3 sector rotors to be tested, a "weight rotor" needs to be installed in the tray.



4 Place Reagent Rotor and Test

a. Click "Test", the drawer will pop up automatically, place the reagent rotor.
b. Click "CONFIRM", the drawer will close automatically and test.

*During the test, can input the sample information.



5 Input Information

During the test, click "Sample Information" and enter the sample information of the corresponding numbered reagent rotors. After input the information, click "Save" and wait for the test to be completed.

*Please input the sample information according to the actual disk installation sequence.



6 Print Report

The test will be finished within 12 minutes, the drawer will pop up automatically and print a report.

*The report will print automatically after the test is completed.
*Only the veterinary version will display abnormal parameters and clinical significance.
*The reference range will not be printed in the report if you don't select sample type.

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