

Quick Instruction for EasyNAT[®] System

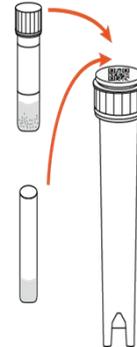
(Example of SARS-CoV-2 Test)

1. Loading Sample

1.1 According to the sample quantity, take out corresponding quantity of RNA extraction solution and test cartridge from the reagent kit.

1.2 Fully mixed the RNA extraction solution, and add all liquid into the test cartridge.

1.3 Add **500 μ L** sample into the test cartridge, and tighten the cover.



Note:

1. For other test items, please see the corresponding reagent instructions.
2. Please shake the cartridge gently to fully mix the magnetic beads and samples before inserting into module.

2. Running Test (Example of Test in Module 2)

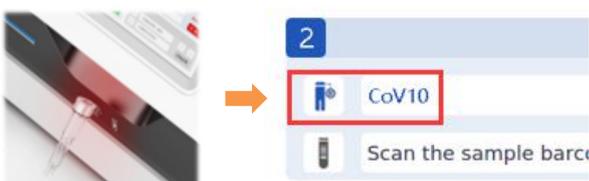
2.1 Switch on the power on the right side of the instrument; Enter into the login interface after self-inspection; Login in with user "admin" password "123".



2.2 Select the module 2 by click "2"; Click "Scan QR code on the cartridge" and the scanner at the front will be activate.



2.3 Align the QR code on the cover of the cartridge with the scanner. The word "CoV10" will be displayed when successfully identification.



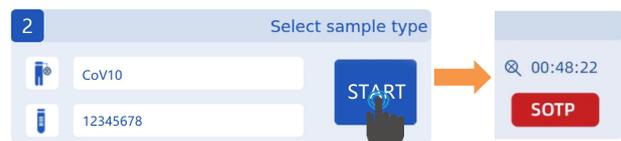
2.4 Align the barcode on the sample preservation tube with the scanner. Or click "Scan the sample barcode", type in the sample ID.



2.5 Open the cover of module 2, insert the cartridge, place the plastic ring to left side, and close the cover.



2.6 Click "START", and the countdown displayed. The test result will be automatically displayed on the screen and be stored in the instrument when test finished.



3. Results Viewing

Test result	Interpretation
Positive	Gene ORF1ab and/or N are 'Positive', which means 2019-nCoV RNA is detected in the sample. Remark: Test result for either IC is not required.
Negative	Both gene ORF1ab and N are reported as 'Negative', and ICr and/or ICI is 'Positive', which means no 2019-nCoV RNA is detected in the sample.
No result	The evidence system collected is insufficient for analysis.
The conditions need to test again: <ol style="list-style-type: none"> 1. No result. For example, the operator terminates the test in halfway. 2. The abnormal result of external quality control. For example, COVID-19-Negative Control testing result is positive, there may be improper operation. 	

Note: For other interpretations, please see the corresponding reagent instructions.

4. Waste Disposal

After testing, open the cover of testing module, take out the cartridge, and discard it into the medical waste bin.

5. Analyzer Maintenance

Content	Frequency	Method
Screen cleaning	Once a month	Clean the screen with a soft dry cloth. Warning: Do not use any organic solution, acidic solution or alkaline solution.
Surface cleaning	Once a month	Clean the instrument surface with a soft cloth dipped with medical disinfectant.(75% ethanol)
Cartridge bin cleaning	Once a month	Clean the instrument surface with a soft cloth dipped with medical disinfectant. (75% ethanol) Warning: Do not let any liquid flowed into the cartridge bin.

Note:

1. After pulling out the test cartridge, please close the cover to prevent dust and particles from entering the cartridge socket.
2. After cleaning, wipe the liquid or wait for liquid dried by air, and there should be no liquid left in holes, sockets, power sockets, and other places.
3. Please cut off the power, if the instrument not be used for a long time.

