

EasyNAT[®] Nucleic Acid Amplification and Detection Analyzer and Infection Test Kits

Advanced POCT Real-Time Molecular Diagnosis System

Rapid Results • COVID-19 in 80 minutes
• Tuberculosis in 95 minutes

**2nd Generation
POCT Rapid
Molecular RNA / DNA
Tests, Anywhere,
Anytime**



Innovative: Cross-Priming Amplification CPA Molecular System

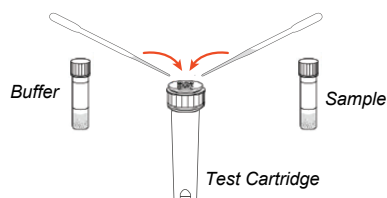
- Extraction, Amplification and Detection All Integrated in One System
- All-in-one Preloaded Reagents
- Patented Isothermal Amplification (CPA)
- Two Independent Chambers
- Ambient Temperature Transportation



- ← Lysis Chamber
- ← Washed Chamber
- ← Classified CPA Reagent Chamber
- ← Elution and Amplification Chamber

Operation Procedure

- 1 Add sample and extraction buffer into the patented test cartridge using a micropipette**



- 2 Insert the test cartridge into the instrument**



- 3 Read result (80 minutes)**

Menu	Test	Help
Block 1	Block 2	
CoV00	CoV00	
20190621-1	20190621-2	
Result: POSITIVE	Time Left: 00:11:30	
Start New Test	STOP	

1 EasyNAT[®] COVID-19 In Vitro Diagnostic Kit

Real-Time Molecular POCT Test that Rapidly Diagnoses Specific Novel Coronavirus - COVID-19 Anywhere, Anytime Within 80 Minutes

- **Integration:** Fully automatic integration of nucleic acid extraction, amplification, and detection. One step solution.
- **Simple:** No sample pretreatment needed, throat and nasal swabs can be directly added to the COVID-19 automatic detection pre-loaded test cartridge. For sputum sample: Add proteinase K buffer, incubate, centrifuge and then add supernatant to the test cartridge.
- **Easy:** Pre-mixed reagents test cartridge, no complicated work, one-button operation, fully automatic.
- **Safety:** The whole testing process is closed and tested to avoid unnecessary medical staff infection. No professional PCR laboratory setup is required for this 2nd generation POCT molecular test.
- **Testing Time:** Dual channels - 2 concurrent tests in 80 minutes.
- **Independent:** The detection module is independent and the sample is tested immediately.
- **Accuracy:** High sensitivity and specificity.
- **Controllable:** The data and information platform is safe and controllable.

**2nd Generation
POCT Molecular
COVID-19 Test**

Orf1ab (RdRp) Gene &
N Gene / Orf1ab (RdRp)
Gene & E Gene;
Result in 80 minutes



Model: U20226
Target gene Orf1ab (RdRp)
and E gene

(Isothermal Amplification Real
Time Fluorescence Assay), 20
tests / kit



Model: U20223
Target gene Orf1ab (RdRp)
and N gene

(Isothermal Amplification Real
Time Fluorescence Assay), 20
tests / kit

2 EasyNAT COVID-19 Swab Sample Collector Set

Deactivate
Virus,
Stabilize
Nucleic Acid

Designed for Collecting Throat and Nasal Swabs for Real-Time Molecular Testing

- Use:** For sample collection, transportation and storage.
- Principle:** By fully mixing the collected sample with the sample preservation solution, the nucleic acid of the sample can be stored and transported at room temperature.
- Deactivate virus:** The COVID-19 virus is deactivated as soon as the swab is dipped inside the sample preservation solution.
- Stabilize nucleic acid:** Effectively guarantee the stability of the nucleic acid in the sample collection tube during the transportation at room temperature.

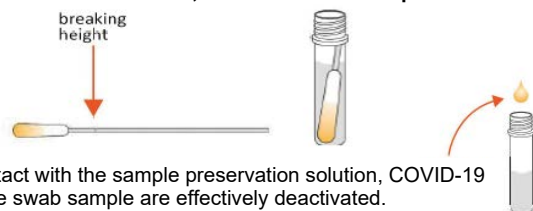


Model: U40035

Sterile swab in sealed pouch (1000 pieces/box) and 3ml Sample Preservation Solution in screw cap sealed tube (1000 tubes/box)

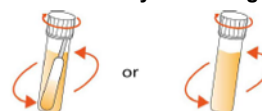
Operation Procedure

- 1 Insert the flocking end of the swab into a tube containing 3 ml of sample preservation solution, and break off at the point to the tail.



Upon contact with the sample preservation solution, COVID-19 virus in the swab sample are effectively deactivated.

- 2 Tighten the screw cap and shake gently. Seal and ready for testing.



- 3 For Nucleic Acid Extraction and Detection Test.

Pipette/Transfer the mixture of sample and preservation solution for further nucleic acid extraction and detection test.

3 EasyNAT® Diagnostic Kit for Mycobacterium Tuberculosis Complex DNA

- Use:** To detect Mycobacterium Tuberculosis Complex (MTC) bacterial DNA from the sputum specimen for diagnosis of pulmonary tuberculosis (TB) infection in human suspects.
- Rapid result in 95 minutes**
- Accuracy:** High sensitivity and specificity
- WHO recommendation:** Cross-Priming Amplification CPA for Rapid Detection of Tuberculosis Diagnosis



2nd Generation
POCT Molecular
Tuberculosis Test

Results in 95 minutes

Model: MTC2.0

(Isothermal Amplification Real Time Fluorescence Assay), 20 tests / kit

4 EasyNAT® U-SAFE Safety Sputum Collector

With Built-In Sputum Liquification to Prevent Infection

- Use:** For sample collection, transport and storage
- Preloaded sample Reagent (7ml) to perform sputum liquification without ever opening the top cap, thus preventing the risks of nosocomial (hospital acquired) infection



Model: U40104

Safety Sputum Collector with 7ml Liquification Reagent, 20 tests/box

Safe Collection,
Built-in Sputum
Liquification
to Prevent
Infection

About Ustar Biotechnologies Company

Founded in 2005, Ustar Biotech, based in Hangzhou, China, is a molecular diagnostic company dedicated to developing, manufacturing and marketing rapid nucleic acid diagnostic products for point-of-care. The company holds fifteen China, U.S., Japan patents for novel molecular technologies, including disposable nucleic acid (NA) extraction device, cross-priming isothermal amplification (CPA), disposable contamination-proof DNA detection device and reagent glassification. Combining them, Ustar offers pathogen NA detection platform and SNP/Mutation detection platform that can be transformed into rapid molecular diagnostic kits for Point-of-Care diagnostics or on-spot testing. The isothermal testing requires no PCR machine and molecular lab, enabling molecular testing possible in low-resources setting with quick result. Several diagnostics had been developed for detection of TB, TB multidrug-resistance (TB-MDR), STD etc. Applications cover hospital, CDC and Import & Export Quarantines etc.

Ustar's POCT diagnostics have been supported by the government agencies and NGOs such as the Chinese CDC, the Bill & Melinda Gates Foundation, the World Health Government (WHO) and UNICEF.

Ustar's main office and manufacturing facilities are located in Binjiang District, Hangzhou, China. The 3,500 square meters facilities includes a 800 square meters 100K grade clean room area, with a designed production capacity of 20 million tests per year. The facility is constructed and equipped with state-of-the-art technology and is ISO9001:2003, ISO13485:2003 + AC: 2007 certified.



Ustar Biotechnologies (Hangzhou) Ltd. China
www.bioustar.com



About TRANSLAB Company

Founded in 1984, Translab (M) Sdn Bhd actively imports and distributes a curated products, devices and systems to both public and private sectors in the area of medical, occupational safety & health, scientific, security, industrial, law enforcement, security, various non-governmental organisations and international agencies based in Malaysia.

Translab (M) Sdn Bhd is committed to be a preferred premium supplier and service provider in Malaysia for medical & diagnostics, laboratories, life science, law enforcement, safety & security, and general scientific equipment & devices.

In the medical division, Translab has a strong and successful record in dealing with POCT Point of Care Medical Diagnostic Testing especially at the primary care and public health discipline. All imported products (where needed) are duly registered and type approved by relevant Malaysian government agencies and regulatory bodies before they are sold in the market.

Translab is an ISO 9001 certified organisation in sales & service and a registered supplier with Ministry of Finance (Registration Ref No: 357-00015516). With its extensive sales & marketing infrastructure in all 14 States of Malaysia and Singapore (selected specialised laboratory equipment only), complete after-sale service support, PPM, repair, calibration and application training, Translab has become one of the established names with a long presence (over 36 years) of proven track records.

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