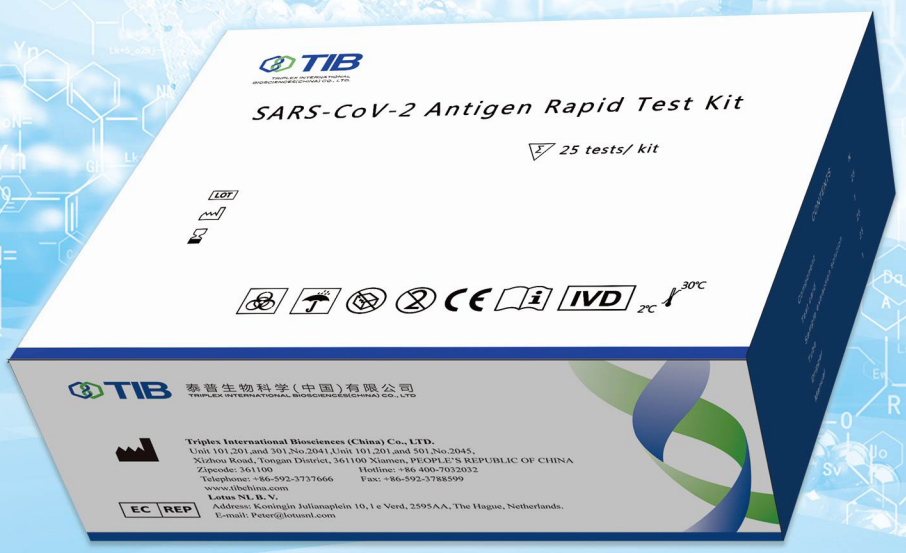
TRIPLEX INTERNATIONAL
BIOSCIENCES(CHINA) CO., LTD.
泰普生物科学(中国)有限公司

SARS-CoV-2 Antigen Rapid Test Kit

High sensitivity for early screening



Antigen/antibody Test

- Rapid test within 5-20 mins
- No extra instrument needed
- Easy to use
- Room temperature storage and transportation

VS

Nucleic Acid Test

- Time - consuming (2-4 hours)
- Professional PCR lab needed
- Complicated operation, professional experience needed
- Cold chain transportation, low temperature storage

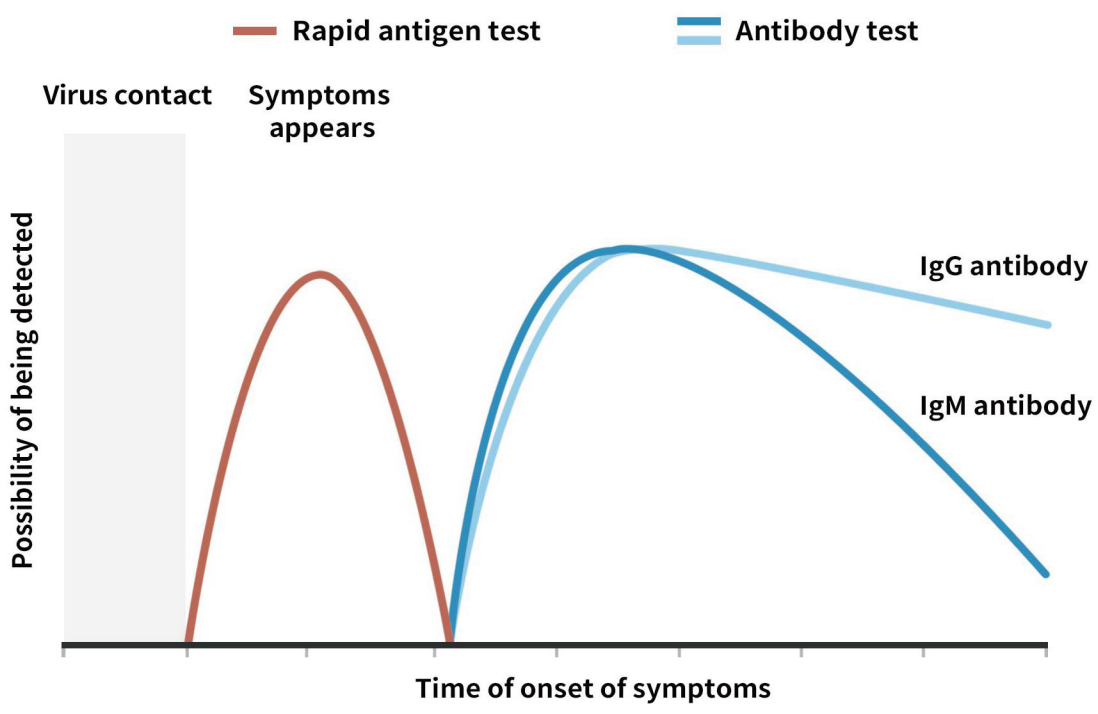
Antigen Test

- Infected patients at early stage of SARS-CoV-2 can be detected
- Non-invasive sampling by nasopharyngeal swab/ anterior nasal swab/oropharyngeal swab

VS

Antibody Test

- Be detected after several days of infection
- Invasive sampling (serum/plasma)



SARS-CoV-2 antigen detection kit can quickly detect positive cases when the viral load is high in acute infection period, and can be used for early shunt and rapid management of suspected population.

Parameters

Specifications	1 test/kit, 2 tests/kit, 5 tests/kit, 10 tests/kit ,25 tests/ kit, 50 tests/ kit
Components	Test card, sample extraction solution, tube, dripper, manual
Sample types	Nasopharyngeal swab sample & anterior nasal swab & posterior oropharyngeal saliva
Storage	2°C ~30°C in a cool, dark, and dry place
Validity	24 months

Kit Performance

A total of 1016 swab samples were collected from suspected SARS-CoV-2 patients with symptoms (within 5 days after onset) for clinical evaluation of this kit. The evaluation results are as follows:

Nucleic acid detection / SARS-CoV-2 antigen detection	Positive	Negative	Total
Positive	133	0	133
Negative	2	881	883
Total	135	881	1016

- Sensitivity = 133/ (133+2) ×100%=98.52% (95%CI: 94.21% ~ 99.74%)
- Specificity= 881/ 881 ×100%=100% (95%CI: 99.46% ~ 100%)
- Overall coincidence rate= (133+881)/1016×100%=99.80%

This kit has no cross reaction with 60 kinds of microorganisms such as human coronavirus HKU1, and has no interference with 25 kinds of drugs such as ibuprofen.