



®

Green Spring

SHENZHEN LVSHIYUAN BIOTECHNOLOGY



GREEN EARTH SPRING From You and Me



0755-28438788



0755-28938800



market@lsybt.com



<https://www.lsybt.com>



D building, No.2 Binhai Road, Dapeng, Shenzhen 518120, China



# SARS-CoV-2(COVID-19)Test

## Company Profile

Founded in 2003 by a gathering of scientists who studied abroad for many years, Shenzhen Lvshiyuan Biotechnology Co., Ltd. is honored to high-tech enterprise for her devotion and passion on R&D and manufacturing of In vitro diagnostic (IVD) reagent, test kits for food safety, animal diseases detection kit and mycotoxins assay kit etc.. With our expertise and years-experience, we continue to supply quality products to the whole world.



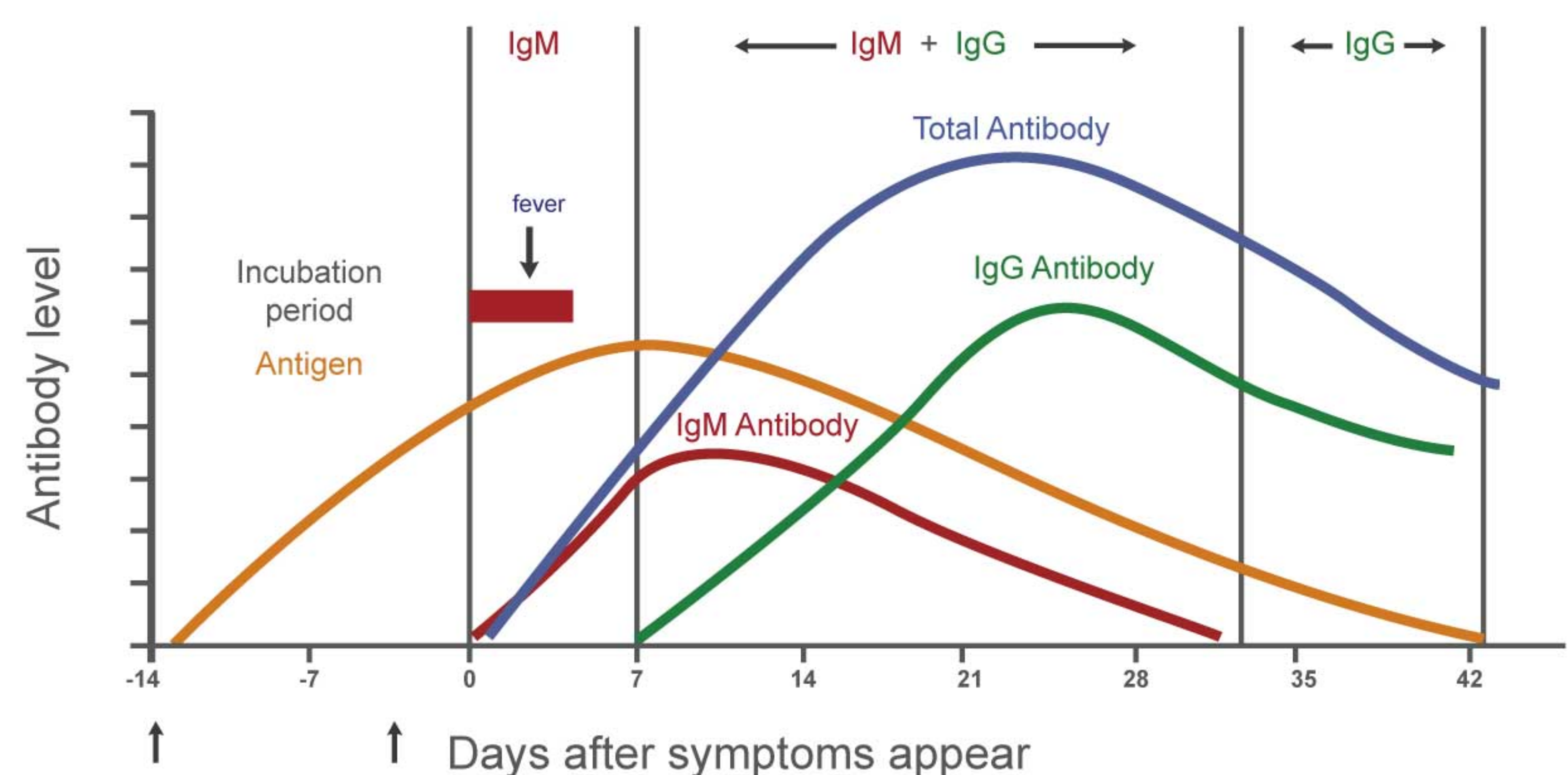
## What is SARS-CoV-2 (COVID-19)?

COVID-19 is an acute respiratory infectious disease. Human is generally susceptible. Patients infected by SARS-CoV-2 are the main source of infection, asymptomatic infected patients are the possible infectious source too. Based on current epidemiological investigation, the incubation period is 1 to 14 days, mostly 3 to 7 days. Fever, fatigue and dry cough are the main manifestations, there found nasal congestion, runny nose, sore throat, myalgia and diarrhea in a few cases.



## Assay Comparison

Antigen detection can directly detect SARS-CoV-2 protein in the incubation period and early stage of infection, while antibody detection can detect IgM and IgG antibodies produced by human immune system a few days after infection. The combination of antigen and antibody tests can provide a comprehensive diagnosis and monitoring of COVID-19 infection.



# Green Spring® COVID-19 (2019-nCoV) IgM/IgG Rapid Test Kit (Colloidal Gold)

Green Spring COVID-19 (2019-nCoV) Coronavirus IgM/IgG Rapid Test Kit is Colloidal Gold immunochromatography based. If there exists COVID-19 IgM or IgG antibody in the sample, the antibody will bind to Colloidal Gold-labeled SARS-CoV-2 antigen. The antibody/antigen complex will be captured by the anti-human IgG or IgM antibody immobilized on the NC membrane, forming read G line or M line and indicating a positive result for IgG or IgM antibody. The cassette also contains a quality control line (C) to indicate that sample is transported through the membrane properly.

## Advantages

- No need cold chain logistics
- No specializing training
- Convenient, no devices required
- Rapid results in 20 minutes or less
- Cost-efficient

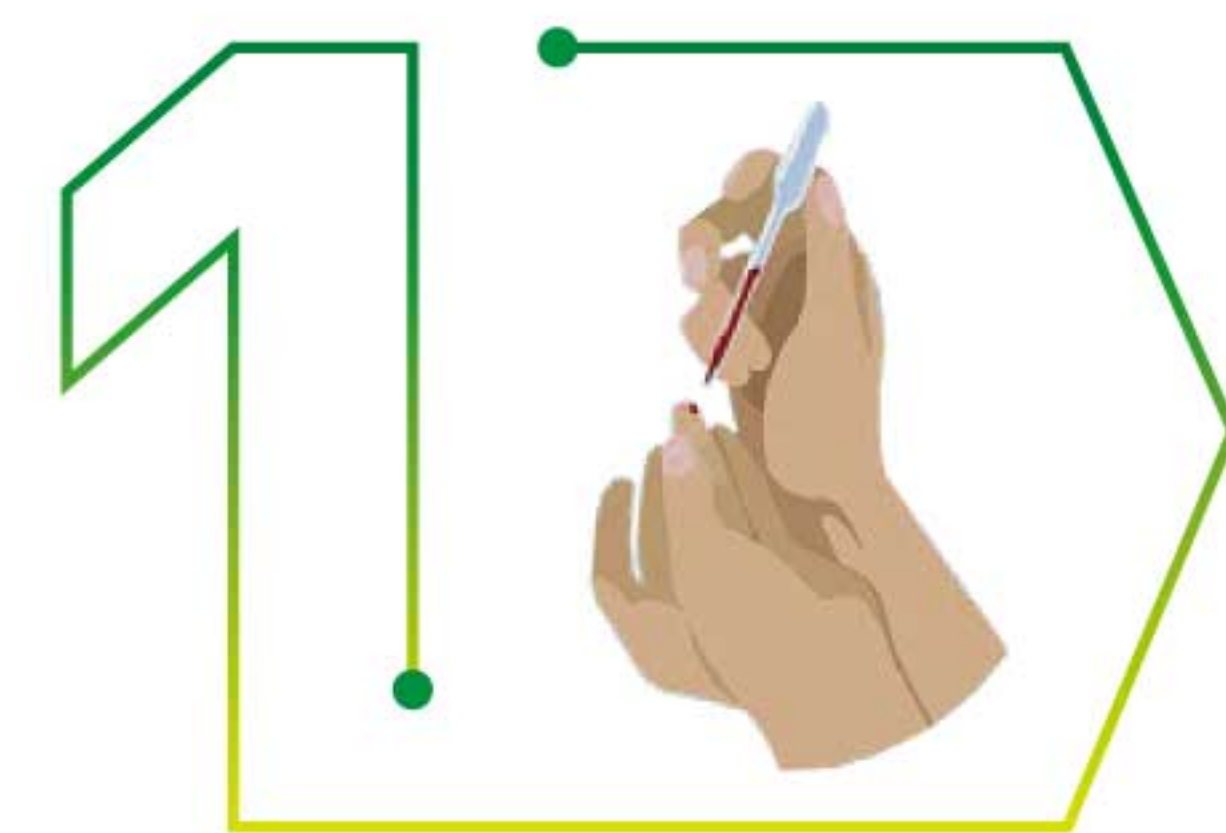
## Specification

Sensitivity: See clinical reports  
 Specificity: See clinical reports  
 Package: 25tests/kit, 40kits/box  
 Gross Weight: 0.34kg/kit, 14.5kg/box  
 Measurement: 185x135mmx75mm/kit  
 571x393x395mm/box

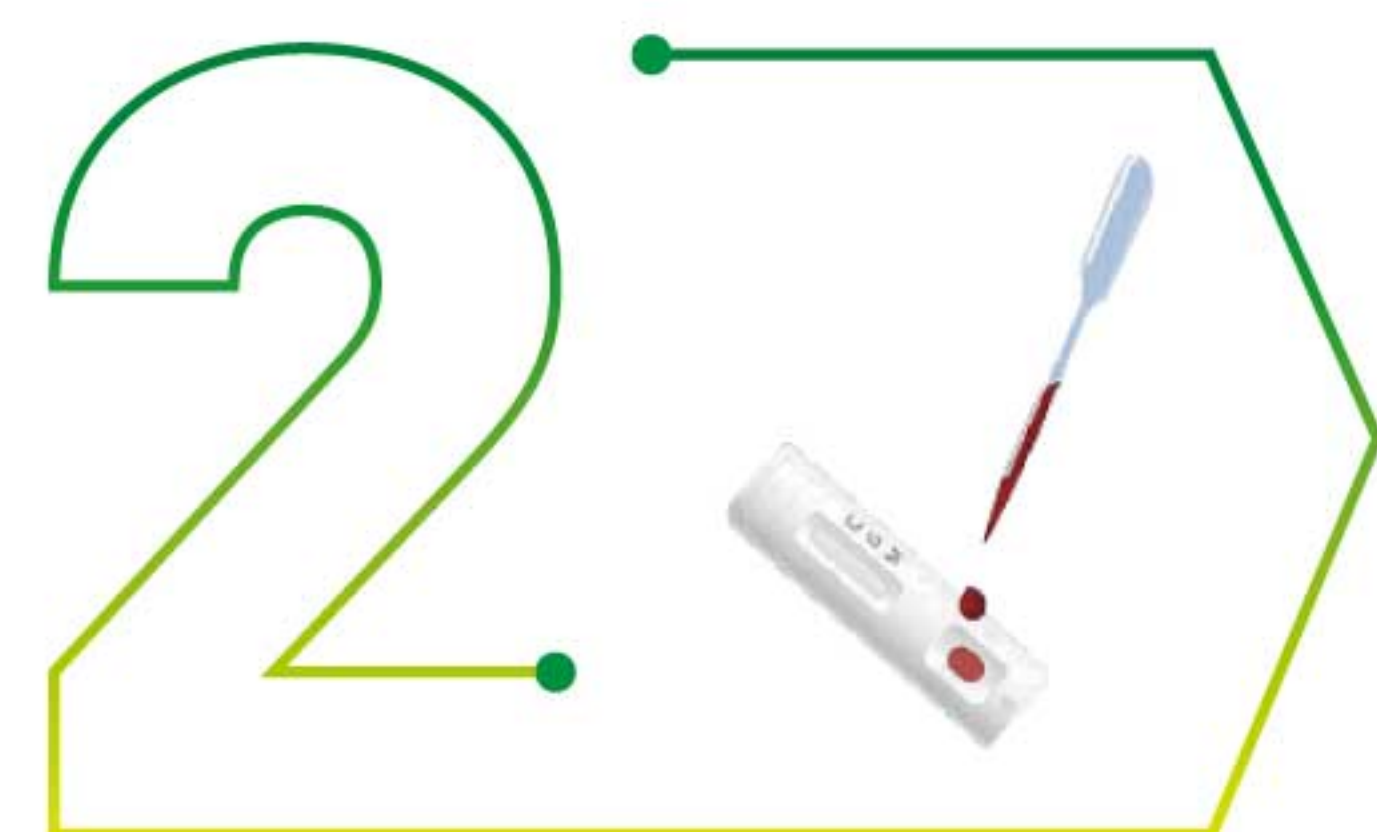
## Kit Components

- 25 Test Cassettes/Kit
- 25 Droppers
- 25 Bottles of Buffer
- Package Insert x 1

## Using Direction



Collect blood sample



Add blood sample to sample well

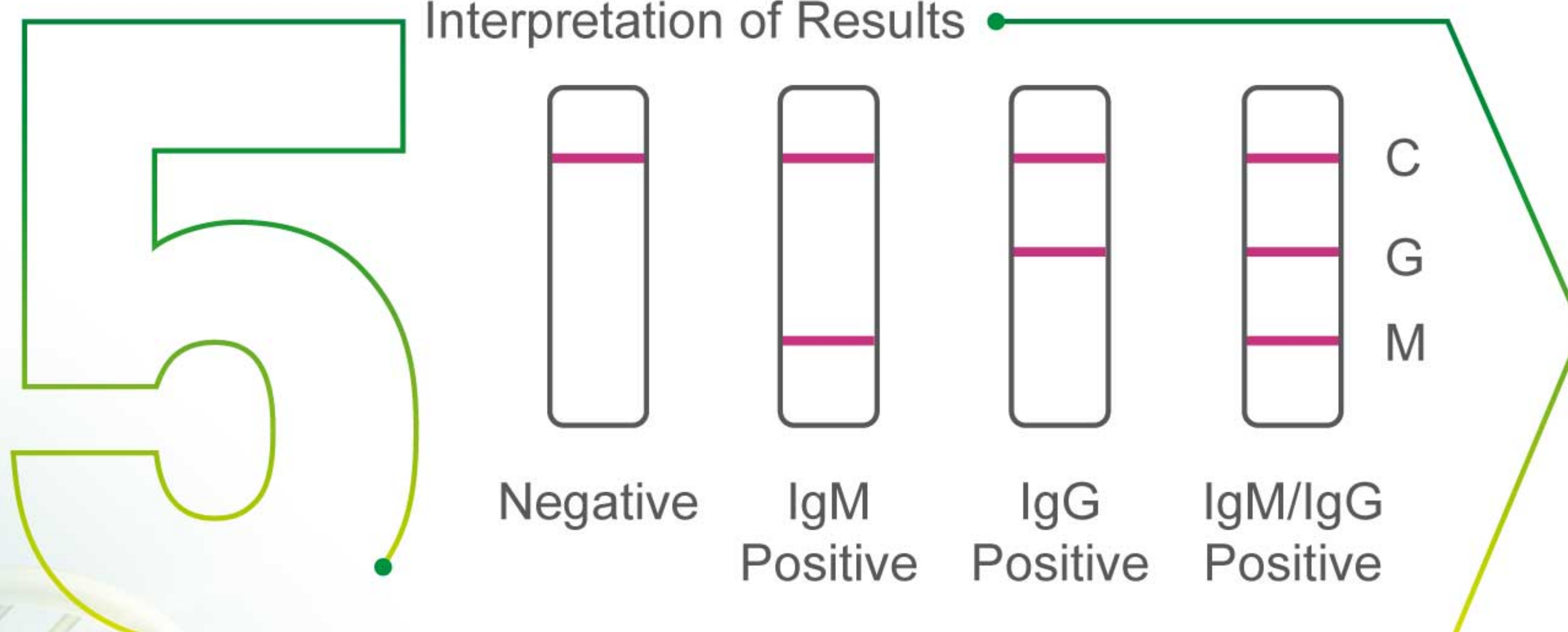


Place 2-3 drops of buffer in sample well



Read results after 15 minutes

## Interpretation of Results



# SARS-CoV-2 (COVID-19) Antigen Rapid Test Kit (Colloidal Gold)

Green Spring® SARS-CoV-2 Antigen Rapid Test Kit is used for detection of SARS-CoV-2 antigen with the method of colloidal gold immunochromatographic assay. Mouse antibody  $\alpha$  of 2019nCoV is labeled by colloidal gold, Test Line (T) is coated with mouse antibody  $\beta$  of 2019nCoV and Control Line is coated with goat anti-mouse antibodies. When SARS-CoV-2 antigen is presented in the specimen, the antigen binds with antibody  $\alpha$  labeled with colloidal gold and conjugate to immune-complexes. The fluid complexes are captured by a line of mouse antibodies  $\beta$  of 2019nCoV when they migrate across Test Line (T). Lots of colloidal gold assemble and a red line/belt is appeared. Rest of complexes migrate across Control Line (C) and conjugate with goat anti-mouse antibodies, lots of colloidal gold assemble and appear a red line/belt. When there is not SARS-CoV-2 antigen in the specimen, only in Control Line (C) position there appears a red line/belt created by mouse antibody  $\alpha$  of 2019nCoV labeled by colloidal gold.



## Advantages

- Nasal swab specimen, non-invasive
- Very simple to use
- Convenient, no devices required
- Rapid results within 20 minutes
- Cost-efficient



## Specification

Sensitivity: See clinical reports  
 Specificity: See clinical reports  
 Package: 25tests/kit, 40kits/box  
 Gross Weight: 0.4kg/kit, 17kg/box  
 Measurement: 210x135mmx85mm/kit  
 568x435x460mm/box



## Kit Components

- 1 test/bag x 25bags
- Desiccant x 25 packs
- 0.5mL extraction buffer x 25 bottles
- Single-use extraction tubes x 25
- Sterile, single-use sampling swabs x 25
- Instruction for Use x 1

## Using Direction

