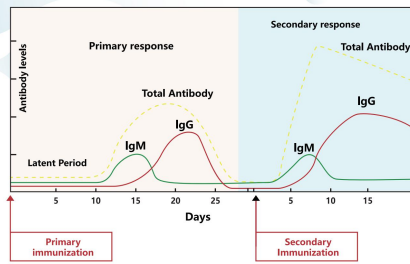# SARS-CoV-2 IgM/IgG Antibody Detection Kit

General Pattern of the antibody production of primary and secondary immune response
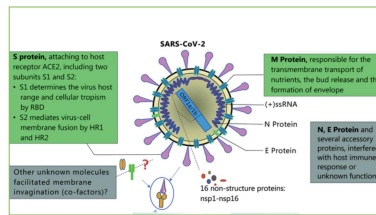

IgM is the antibody occured in the acute infection stage. IgM can be tested about 3 days after the onset of the disease and disappear within 1 to 2 months after the infection.
IgG is the antibody occured in the middle and later stage of infection. Positive results indicate that the patient is recovering or has a previous infection.
It is used for dynamic monitoring of the process of infection clinically through simultaneous test of IgM/IgG, which indicated both recent infections and previous infections, reducing missed detection rates.

Application

Suspected case test in epidemic area;
Early test at the fever clinic and CDC;
Screening of primary medical institutions;
Combined detection with nucleic-acid testing kit to improve
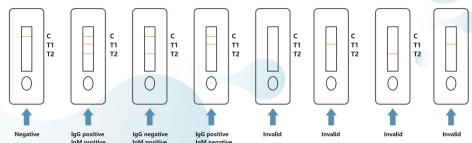the diagnosis rate of suspected patients.

Features

● Accurate result based on UNIQUE technology to label 3 specific antigens.
SARS-CoV-2 Spike protein   SARS-CoV-2 RBD   SARS-CoV-2 Nucleocapsid protein

● UNIQUE anti-interference ability
The test card has anti-inference ability to samples such as hemoglobin (500mg / dL), bilirubin (20mg / dL), triglyceride (1500 mg / dL) etc. Please refer to the user manual for more anti-interference ability description.
● Cost Efficiency
UNIQUELY 0.9% physiological saline can be accepted instead of the Sample Diluent, which saves the cost of sample diluent as well as transportation fees.
● Efficient and Convenient
10ul serum/ plasma or 20ul whole blood, to identify suspected patients within 15 mins.
No strict requirements to test environment. Suitable for various samples types (whole blood/finger tip blood/serum/plasma).

Interpreting results

Results	Interpreting
IgM positive, IgG positive	Indicates that it may be a recent infection with SARS-CoV-2
IgM positive, IgG negative	Indicates that it may be a recent infection with SARS-CoV-2
IgMnegative, IgG positive	Indicates that it may be a previous infection with SARS-CoV-2
IgM positive, IgG negative	Indicates that it may be on infection with SARS-CoV-2. or there is not enough detectable antibodies in the early infection.

Product Information

Name	Methodology	Sample Type	Storage &Validity	Specification
SARS-CoV-2 IgM/IgG Antibody Detection Kit	Colloidal Gold Method	Whole blood Serum Plasma	4-30℃ 12 months	Test Cassette 40 Tests/Kit Sample Diluent 2*4.5ml /box(Optional)