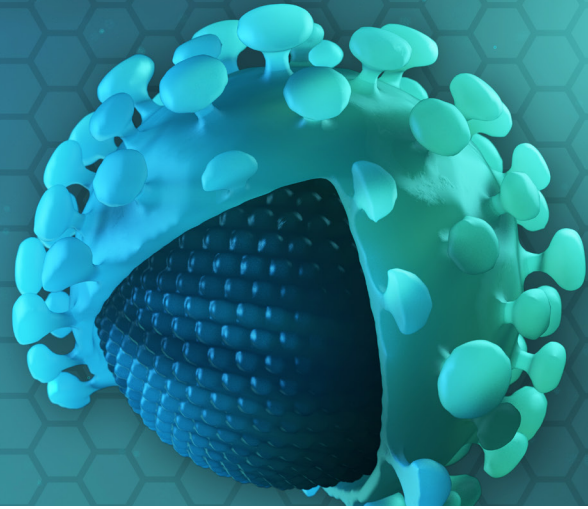


CORONA VIRUS COVID-19

IgG And IgM Rapid Test



A Rapid Test For The Detection of COVID-19 (Coronavirus) Provided by Premier Biotech
 The COVID-19 IgG and IgM Rapid Test provided by Premier Biotech is used for the qualitative detection of SARS-CoV-2 antibodies in whole blood, serum, or plasma. The procedure is easy to administer and offers reliable results at 10 minutes that remain valid for 20 minutes. Available now for prompt shipping, contact Thato International to place an order or request additional information today by calling 888-417-5550



Confident COVID-19 Results

- Fast results in 10 minutes
- Easy to use and highly accurate
- 60 tests/case
- Prompt shipping and delivery

Kit Contents Include:

- Test cassette
- Desiccant, buffer, alcohol swab
- Sterile lancet
- Disposable capillary
- Package insert/procedure guide

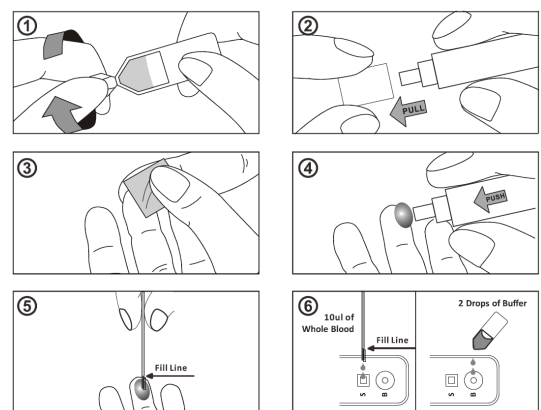
The COVID-19 Pandemic

COVID-19 (Corona Virus Disease) is the infectious disease caused by the most recently discovered coronavirus. This new virus and disease were unknown before the outbreak began in Wuhan, China, in December 2019.

The most common symptoms of COVID-19 are fever, tiredness, and dry cough. Some patients may have aches and pains, nasal congestion, runny nose, sore throat or diarrhea. Elderly, and those with underlying medical problems like high blood pressure, heart problems or diabetes, are more likely to develop serious illness.

Procedure Video: [Click here](#)

Easy To Use Procedure



Note: Test can also be run with serum/plasma specimens



**ALL GREEN
HEALTH**

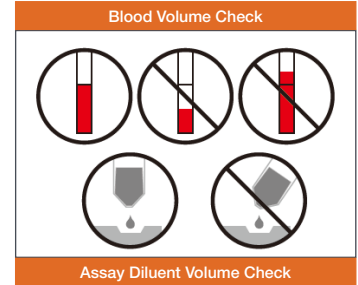
**For pricing or to place an order - Call 888-863-2287
or e-mail questions@covidthestingkitsusa.com**

Product IgG and IgM Rapid Test/Cassette | SKU: RT-CV19 | Pack: 60/case

All Green Efficiencies Inc. | 960 S Westlake Blvd Ste 207 Westlake Village, CA 91361 | 888-863-2287 | WWW.COVIDTESTINGKITSUSA.COM

IMPORTANT NOTE:
Each test can be used only **ONE TIME**. Do not attempt to use the test more than once.

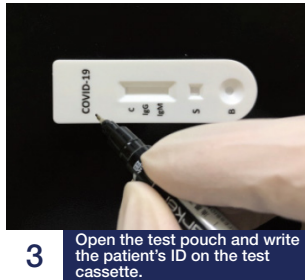
Test Procedure



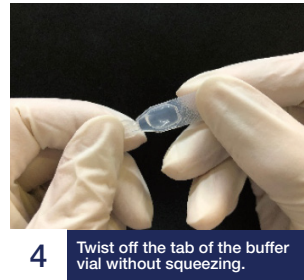
1 Check the expiry date. If expiry date has passed, use another kit.



2 Put on the gloves. Use new gloves for each patient.



3 Open the test pouch and write the patient's ID on the test cassette.



4 Twist off the tab of the buffer vial without squeezing.



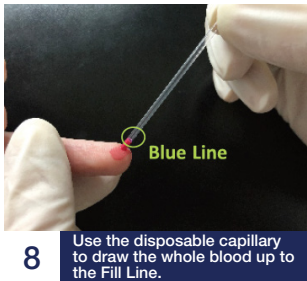
5 Carefully pull off the sterile lancet cap.



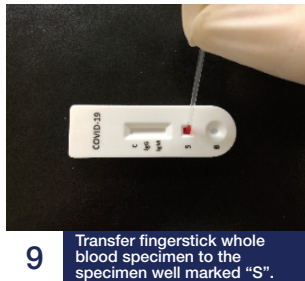
6 To disinfect the finger tip with alcohol swab.



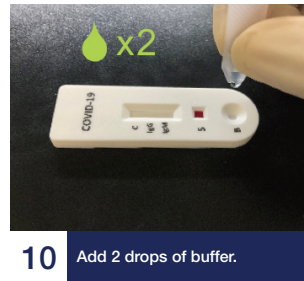
7 Push the sterile lancet firmly onto the chosen site.



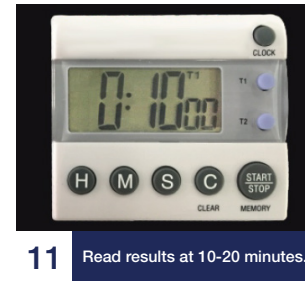
8 Use the disposable capillary to draw the whole blood up to the Fill Line.



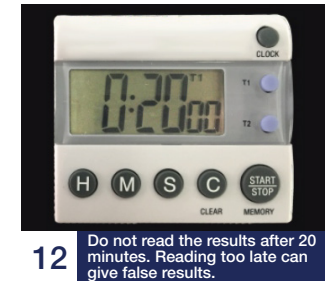
9 Transfer fingerstick whole blood specimen to the specimen well marked "S".



10 Add 2 drops of buffer.



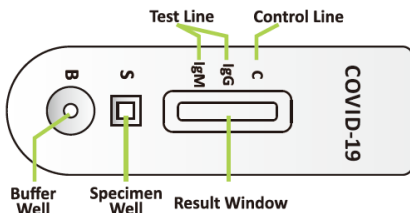
11 Read results at 10-20 minutes.



12 Do not read the results after 20 minutes. Reading too late can give false results.



All the used tests, specimens and potentially contaminated materials should be discarded according to the local regulations.



CASSETTE OVERVIEW

POSITIVE RESULTS



IgG and IgM Antibodies Positive
Three lines appear (C, IgG and IgM)



IgG Antibodies Positive
Two lines appear (C and IgG)



IgM Antibodies Positive
Two lines appear (C and IgM)

NEGATIVE RESULT



Only one colored line appears in the control region (C).

INCONCLUSIVE RESULTS

Control line fails to appear.
Review the procedure and repeat the test with a new test cassette.





Q: What are IgG and IgM antibodies?

A: Immunoglobulin G (IgG), the most abundant type of antibody, is found in all body fluids and protects against bacterial and viral infections. Immunoglobulin M (IgM), which is found mainly in the blood and lymph fluid, is the first antibody to be made by the body to fight a new infection.

Q: How quickly after exposure will there be sufficient antibody to be detected?

A: In general, IgM antibodies appear about a week after infection and IgG antibodies appear about two weeks after infection. It is important to recognize that people have their own unique immune response and thus detection time can vary significantly from person to person.

IgM antibodies: Data is still being collected but at the point, this document was written the best information available suggests that IgM antibodies to SARS-CoV2 are detectable between 3-10 days after first symptoms.

IgG antibodies: Data is still being collected but at the point, this document was written the best information available suggests that IgM antibodies to SARS-CoV2 are detectable between 14-21 days after first symptoms.

Q: What is PCR testing and what does PCR stand for?

A: PCR (Polymerase Chain Reaction) is laboratory test to diagnose the COVID-19 infection based on viral RNA. The test involves a nasopharyngeal swab that looks like a long Q-tip and draws mucus from the back of the patient's nasal cavity where it meets the throat. The swab is then inserted into a vial and is shipped to a laboratory where lab techs or machines use reagents to extract the viral RNA. An enzyme, Reverse Transcriptase is used to convert the RNA into DNA and the DNA is replicated many times to make it detectable.

Q: What testing methodology is better, PCR or serology/antibody testing?

A: PCR or molecular testing identifies the virus DNA and is much better for diagnosing active infection, especially in early stages. Serology testing identifies the antibodies produced by the immune system in response to a virus. It is ideal for return to work testing or to help indicate when patients have recovered from infection. It is not ideal for diagnosing early symptomatic or pre-symptomatic infection.

Q: What are some use cases for antibody testing?

A:

1. Return to work testing for employees.
2. Testing for healthcare workers, medical professionals and responders on the front-line holding high-risk positions of exposure to the virus. Antibody testing can help detect antibodies that may give a person immune protection.
3. Testing for purposes of identifying the true number of people infection in a population. This can be accomplished by testing individuals that did not have access to molecular testing while they were symptomatic or by testing people who were infected but never showed symptoms (known as asymptomatic). Antibody testing can help by increasing our understanding of how prevalent asymptomatic infection is in the community or workplace.

Q: What are the types of In Vitro Diagnostic tests for SARS-CoV-2?

A: Molecular Tests: These tests detect SARS-CoV-2 nucleic acids from human specimens. The CDC SARS-CoV-2 Real-Time RT-PCR Diagnostic Panel test is a molecular test.

Antigen Tests: These tests detect SARS-CoV-2 antigens in clinical specimens.

Serological Tests: These tests detect SARS-CoV-2 antibodies (e.g., IgM, IgG) in clinical specimens. Premier Biotech's IVD testing kit is a serological testing kit.

Q: What is COVID-19 and SARS-CoV-2?

A: Coronavirus disease 2019 (COVID-19) is an infectious disease caused by the severe acute respiratory syndrome coronavirus2 (SARS-CoV-2).

Q: What is the clinical classification of COVID-19?

A: COVID-19 is clinically divided into 4 groups: mild, moderate, severe and critical. All 4 groups can spread the virus and should be isolated from healthy individuals to decrease the likelihood of spreading the virus.

Q: Is the test from Premier Biotech available for home use?

A: Not at this time—all tests must be done at a testing site. The FDA sees the public health value in expanding testing that may include home collection, and they are actively working with test developers on this goal for possible use in the future.

Q: Can the test be used with decomposed samples?

A: No, the tests are to be used with freshly obtained samples.

Q: How much sample is required to run the test?

A: 10ul

Q: How long does it take to interpret results using the serology test?

A: Results can be read at 10 minutes and remain valid for 20 minutes.

Q: Has there been any clinical evaluations conducted using the test distributed by Premier Biotech?

A: Yes—Clinical trials were completed in three institutions: Hubei, CDC, Jiangsu. Additional on-going clinical studies are being conducted in the U.S. including studies conducted by Stanford University. Results from those studies will continue to be published.

Q: Do you know at what day of the illness the IgM/IgG rapid tests were run on the people in the studies?

A: Results from other similar rapid tests have stated it takes 8-10 days to develop the antibodies. Some studies suggest that IgM could be found 3-4 days after the onset of symptoms, but this varies from person to person. The Health Commission of China suggest on-going testing with PCR and antibodies tests. For suspected people, PCR +, quarantined; PCR – Ab +, quarantined; PCR – Ab –, retested 2-3 days later.

Q: Are there any anticoagulants that are compatible with the test for locations interested in collecting in advance prior to receipt of the test kits?

A: Anticoagulants such as EDTA, Citrate, Heparin or Oxalate should be used for whole blood storage.

Q: What is the sensitivity rate of the test?

A: False Positive = 2.5% for IgM and 3.7% for IgG | False Negative= 1.8% for IgM and unobserved for IgG.

Q: What color of collection tube should be used?

A: Primarily the pumpkin color. If you don't have access to that then the green/lime one or the lavender one.

Q: Where should positive tests be reported?

A: Healthcare providers should immediately notify their local or state health department in the event of the identification of a PUI for COVID-19. Additional information can be found on the CDC website:

<https://www.cdc.gov/coronavirus/2019-ncov/hcp/clinical-criteria.html>

Q: Does Premier Biotech offer confirmation tests?

A: Not at this time.

Q: What are a few other good resources to learn more about COVID-19 (symptoms, testing, support)?

A: The Centers for Disease Control and Prevention (CDC) has an extensive COVID-19 FAQ resource available here:

<https://www.cdc.gov/coronavirus/2019-ncov/faq.html>

For additional information regarding Premier Biotech's rapid serology test and support, visit us online at:

<https://premierbiotech.com/innovation/covid-19/>



7 Use the sterile lancet firmly onto the side of the finger.



8 Use the device to draw the blood into the fill line.

13 The all used tests, specimens and containers and materials should be discarded according to the local regulations.



Overview of the device