




Fact Sheet on ASSURE[®] SARS-CoV-2 IgG/IgM Rapid Test

Use of ASSURE[®] Antibody Test Kit

The ASSURE[®] antibody test detects IgM and IgG antibodies in samples of blood, finger-prick whole blood, plasma or human serum. The test requires only 10 microliters of blood/plasma/serum, followed by the addition of chase buffer. The test kit will then display the result after 15 minutes.

SIMPLE ASSAY PROCEDURE

- 
 - With a capillary pipette, add 10 µL of serum/plasma/whole blood sample into the sample well.
- 
 - Add 3 drops of chase buffer into the sample well.
- 
 - As the test begins to work, pink-purple color will move across the result window in the center of the test device.
 - Interpret test results at 15 minutes.

Testing for SARS-CoV-2 IgM and IgG Antibodies

The human body makes different types of immunoglobulin (Ig) antibodies to help protect it against infections. IgM is produced when the body is initially infected with the SARS-CoV-2 virus. IgG is the most common type of antibody found in human blood and other body fluids. As the infected person recovers and stops producing IgM, the body builds up IgG encoded with the “memory” of the infection to protect the body against the virus. The detection of IgM antibody indicates a recent exposure to SARS-CoV-2 and the detection of IgG antibody in the absence of detectable IgM antibody indicates prior virus exposure.

Development of the ASSURE[®] Antibody Test Kit

The development of the test kit started in March 2020, and was granted Provisional Authorisation by the Health Sciences Authority (HSA) in early May 2020 for its intended use in Singapore. The release was planned after ASSURE[®] had been clinically evaluated by NUH.