

# Fact sheet for clients

## SARS-CoV-2 IgG Antibody Test

September 2022

### What is the test?

You are being given this Fact Sheet because your blood sample is going to be tested for antibodies to the virus that causes COVID-19 using the validated SARS-CoV-2 IgG Antibody Test.

This is a test that detects antibodies from vaccines and COVID-19 infection. This test is a supervised serology test.

The RAKO SCIENCE SARS-CoV-2 IgG Antibody Test is a method that detects the presence or absence of antibodies of both SARS-CoV-2 nucleocapsid (NP) and spike proteins (SP) in human serum and plasma samples. The assay is intended to differentiate immune response from individuals who have been infected by SARS-CoV-2 (NP & SP) from individuals vaccinated with mRNA vaccines (SP).

### What is COVID-19?

COVID-19 is caused by the coronavirus, SARS-CoV-2, a spherical virus comprising four main proteins, nucleocapsid protein (NP), spike protein (SP), membrane protein (MP), and the envelope protein (EP).

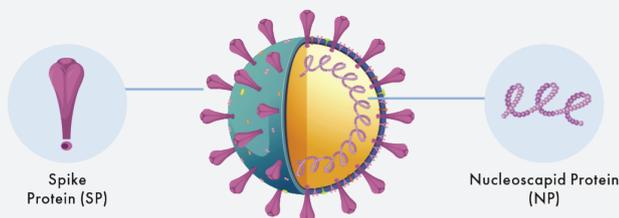


Diagram of SARS-CoV-2 depicting the virus antigens, (SP and NP) used in the RAKO SCIENCE SARS-CoV-2 antibody test.

### How is the sample collected?

This is a self-administered capillary blood sample collection, using a Tasso collection device, completed at a Rako Science collection site under the direct supervision of trained Rako Science staff.

It is recommended that you come to our collection site well hydrated and wearing clothing that allows easy access to your upper arm.

You may experience minor discomfort or other complications that can occur during blood sample collection.

### What are the benefits of the test?

After vaccination, immune response is individual and variable. Variation in response has been linked to age, sex and ethnicity, as well as previous SARS-CoV-2 infection status.

The clinically vulnerable are reported to generate lower levels of antibodies compared with healthier people following vaccination and infection.

This antibody test is available for people who would like to gain the following insights:

- Whether I have been previously infected with COVID-19 and have developed antibodies against the virus.
- Whether I have failed to mount a detectable antibody response despite having been previously vaccinated and/or infected.

The test results will indicate the presence of IgG antibodies towards SARS-CoV-2 spike proteins (SP) and SARS-CoV-2 nucleocapsid (NP) proteins. This can be used to differentiate between the immune response to infection and vaccination.

This information can enable you and your healthcare provider to make informed decisions.

### What do my results mean?

If your result is "Present", IgG antibodies have been detected. If your result is "Absent", no serological evidence of vaccination/infection has been detected.

If your result is "Equivocal", we recommend a repeat sample be collected in 14 days.

Note: Testing for antibodies induced by vaccination/infection should be performed at least 14 days after the second vaccine dose, or booster or infection.

Your healthcare provider can determine how best to advise you

### How will my Privacy be respected?

You will be asked to provide your date of birth and contact details. This will ensure that your sample is correctly identified throughout the testing process. Any information we collect from you will be held in accordance with the Privacy Act 2020 and the Health Information Privacy Code 2020.