

COVID-19 qPCR

ACTIVE INFECTION DIAGNOSIS



The COVID-19 qPCR diagnostic test is the most reliable test for the determination of SARS-CoV-2 coronavirus infection.



The quantitative PCR (RT-qPCR) diagnostic test for COVID-19 is the most reliable test for the determination of SARS-CoV-2 coronavirus infection currently available. This test detects the virus so that the presence or absence of an active infection can be established.

The iGLS COVID-19 qPCR test detects 3 viral targets, providing exceptional sensitivity, superior than that offered by many of the PCR tests currently available. This test can be performed on both, nasopharyngeal samples taken by a healthcare professional and saliva samples easily collected by the patient at home.

METHODOLOGY



Nasopharyngeal sample collection

Saliva collection



Shipment at RT



Viral RNA analysis by RT-qPCR



Results in 24h

WHAT IS COVID-19 qPCR TEST AND WHAT IS IT FOR?

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HOW IS THE TEST PERFORMED?

To perform the test, either a nasopharyngeal sample or a saliva sample is required. The nasopharyngeal sample must be taken by a trained healthcare professional. In this case, a nasopharyngeal swab is introduced through the nostril to reach the nasopharynx and also an oropharyngeal swab is introduced through the mouth to reach the posterior pharynx. Once samples are taken, both swabs are inserted into the provided transport tube.

In the case of the saliva sample, it can be easily collected by the patient by simply depositing in the sterile tube provided a sufficient quantity of liquid saliva to be able to carry out the analysis. Detailed instructions on how to perform the self-collection are included together with the collection tube in the sample collection kit.

Once taken, the sample will be sent to our facilities at room temperature, where we will perform the RT-qPCR. In a maximum of 24 hours after the reception of the sample, we will issue a results report.

WHAT RESULTS CAN BE OBTAINED AFTER THE ANALYSIS?

The result of the sample will be included in a report that may indicate:

- A **POSITIVE** result, which means that the presence of the SARS-CoV-2 coronavirus has been detected in the sample and, therefore, the patient is considered to be infected by the virus.
- A **NEGATIVE** result, which means that the presence of the SARS-CoV-2 coronavirus has not been detected in the sample, therefore no infection by the virus has been detected.

- A **POSITIVE** result **WITH LOW VIRAL LOAD**, which means that the presence of the SARS-CoV-2 coronavirus has been detected in the sample, but in low quantity. This result may imply that the individual is in the early or late stages of the infection. In this case it is recommended to repeat the test after 48 hours.

WHO IS THIS TEST FOR?

The test is indicated for:

- People with symptoms compatible with COVID-19.
- People who have been in close contact with people diagnosed as positive for the COVID-19 virus.
- People who are going to make a trip for which the test is required.
- People undergoing a surgical intervention.
- People who are going back to the workplace after a sick leave.

WHAT ARE THE ADVANTAGES OF THE iGLS COVID-19 qPCR TEST?

The iGLS qPCR-COVID-19 test detects 3 virus targets providing exceptional sensitivity, well above that offered by many of the PCR tests currently available.

In addition, unlike others, this test is capable of detecting the presence of infection when the viral load is low, both in the very early stages of the onset of infection and in the final stages, when the body has practically fought the virus, allowing a very significant reduction in the percentage of false negatives.

Our qPCR system also works perfectly in both nasopharyngeal and saliva samples. The determination of SARS-CoV-2 in saliva is a safe, non-invasive method, without the stress or pain associated with nasopharyngeal samples collection. Another important advantage is that no trained health personnel is required for sample collection as it is the patient himself who can collect the sample at home, with no need to assist to a health centre.

iGLS

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