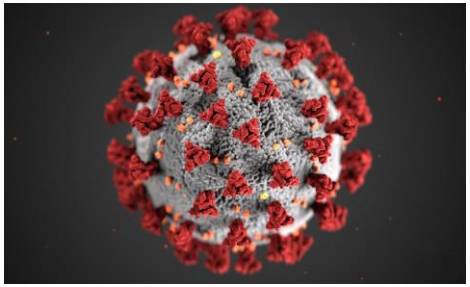
Oncology and Cytogenetic Products
reagents for molecular biology and fast laboratory diagnostics.

COVID-19

OaCP Solutions for COVID-19 testing



- The sources of infection observed so far are mainly patients with a new type of coronavirus infection. Asymptomatic patients can become a source of infection.
- Based on current epidemiological investigations, the incubation period is 1 to 14 days, mostly 3 to 7 days. Fever, fatigue and dry cough are the main manifestations. Few patients have symptoms such as nasal congestion, runny nose, sore throat and diarrhea.

TYPES OF TESTS

- Currently, the main tests include either the direct search for the virus (the so-called “swab" or the search for antibodies against the virus produced, possibly, by the subject (the so-called "rapid serological tests").
- In the case of virus research, the support of a laboratory is required
- In the case of the serological test it is possible to perform it without the support of technical / laboratory personnel.

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THE TWO TYPES OF TESTS

The two types of tests are complementary and aim to detect whether or not a subject is a carrier of the virus (by means of a "swab") or a potential carrier (serological test) and / or immunized.

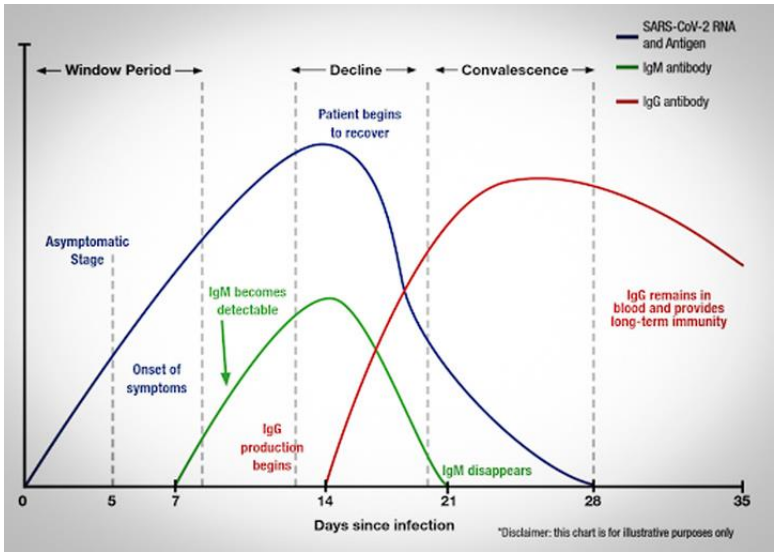
SEROLOGICAL TEST

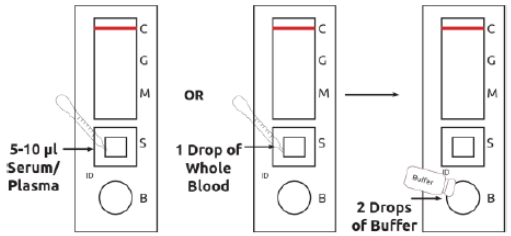
Necessary for research of specific antibodies possibly produced against the virus.

These are two types of antibodies called IgM and IgG.

IgM antibodies are produced in the initial phase of infection.

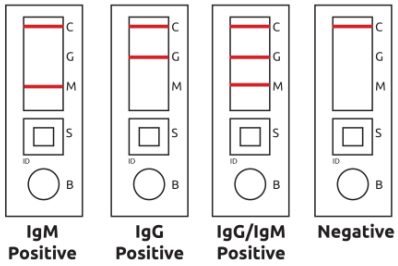
IgG antibodies are produced subsequently and remain for generally confer long-term protection.





To perform the test:

1) Apply a drop of blood to the square (obtained simply by pricking a finger with a lancet)
2) Add 2 drops of reagent to the circle
3) Wait about 15 minutes



Interpretation:

- Positive IgM, indicates the possibility of an infection present at the time of the test.
- Positive IgG, indicates that the subject has had the infection but is potentially cured.
- IgG and IgM Positive, indicates the possibility of an infection present in the healing phase.

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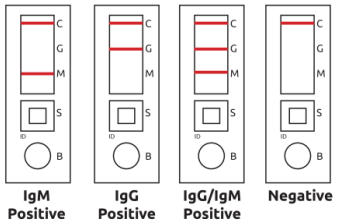
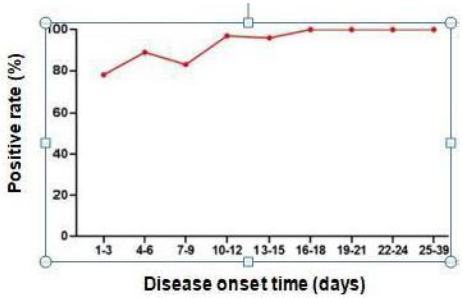
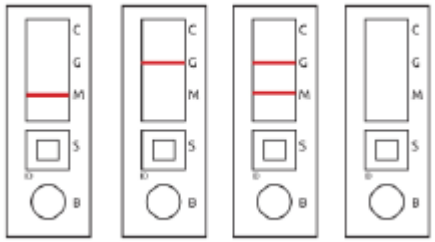
SEROLOGICAL TEST
disclaimer







In case of positivity or suspected positivity it is advisable to follow the procedures outlined by current legislation in contrast to the spread of infection by coronavirus, and in workplace safety and prevention .

If the test result appears as in the image as shown above, repeat the test, in case of doubt, contact your health care personnel and / or follow the procedures outlined by current legislation in contrast to the spread of infection by coronavirus, and in workplace safety and prevention .

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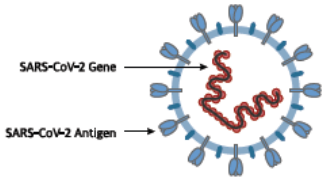
DIRECT VIRAL SEARCH



Viral genetic material is searched directly from oropharyngeal, nasopharyngeal and bronchial swabs.

The sampling should be carried out by medical / health personnel and the test, under current conditions, in a laboratory environment by technical personnel.

The test result not only indicates the presence or absence of the virus but also provides an indication of the amount of virus present in the sample.

Once the material deemed suitable has been taken, it is sent to the laboratory.

Here the technical staff extracts and purifies the viral genome in order to proceed with the subsequent analysis with the Corona Virus Disease 2019 (CoViD-19) Nucleic Acid Detection Kit (Method: Real-Time PCR) by OaCP.

To carry out the test, it is sufficient to prepare only one tube per patient as indicated in the technical data sheet of the test, and proceed with carrying out it on suitable equipment for RT PCR.

After about 70 minutes the test will be completed and ready to be reported.

The test reports a sensitivity / specificity of 100% in validative studies, ambiguous or doubtful results should be repeated or re-sampled.

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OaCP Solutions for COVID-19 testing

Corona Virus Disease 2019 (CoViD-19) Nucleic Acid Detection Kit (Metodo: Real-Time PCR).

KIT for the Virus detection (via viral genome) with RT-PCR method in 60 min

Features:

Non-invasive: sampling from swab, bronchial lavage fluid

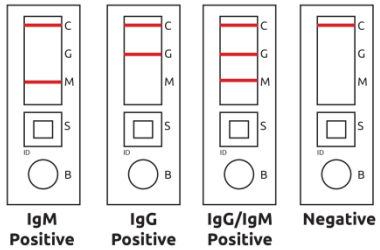
High sensitivity: the minimum basis of detection is 500 copies / mL which ensures detection of low virus sample results.

Anti-contamination: the principle of "One-step" PCR technology reduces reaction times and avoids aerosol pollution.

CE MARKED and compliant with WHO directives. Ministry of Health IVD medical device directory number: 1936089 "

Simultaneous detection of 2 viral markers with positive and negative control

COVID-19 Total Ab Device



KIT for the detection of antibodies with the "Rapid" method (15 min).

Features:

Whole blood, serum or plasma sample required

Qualitative test: indicates the presence both individually and simultaneously of specific IgG and IgM against COVID-19 (SARS-CoV-2)

High Specificity and Sensitivity: 95%

Anti-contamination: "one step" test.

CE MARKED

Simultaneous detection of 2 classes of antibodies + positive internal control

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