

GA CoV-2 IgG / IgM / IgG+



ELISA kits for COVID-19 diagnostics

The new GA CoV-2 test kits for the determination of anti SARS-CoV-2 IgG and IgM antibodies from GA Generic Assays are now available. The CE-certified ELISA are suitable for the **screening** of large numbers of cases. They facilitate rapid determination of the immune status after a potentially previous contact with SARS-CoV-2.

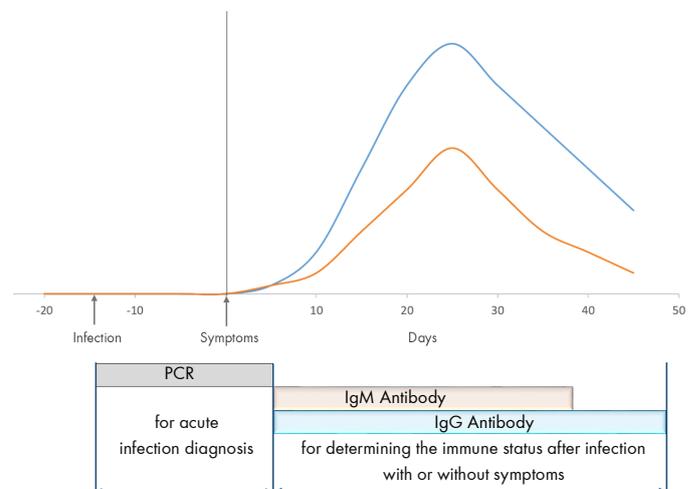
The GA CoV-2 IgG+ **confirmatory test** offers reliable support to differentiate other coronavirus infections and aids in the assessment of immune protection. Following a positive antibody result in screening, virus-specific antibodies against the N-, S1- and S2- proteins are determined using this confirmatory test.

COVID-19

Corona Virus Disease 2019 (COVID-19) is caused by the SARS-associated coronavirus 2 (SARS-CoV-2) and belongs to the group of *betacoronaviruses*, which also encompasses SARS-CoV (2003) and MERS-CoV (2012). First identified in a respiratory disease outbreak in Wuhan City, Hubei Province, China, SARS-CoV-2 is responsible for the current global pandemic.

Symptoms

COVID-19 patients may show a wide range of symptoms, in which the time between exposure to SARS-CoV-2 and appearance of first disease signs could be up to 14 days. Commonly performed PCR SARS-CoV-2 tests examine the genetic material of the virus in oral swabs and give a positive result only if the virus is still present. Therefore, these tests do not identify individuals who have survived an infection, recovered and removed the virus from their bodies.



Diagnostics

The GA CoV-2 ELISA kits are serological tests that identify virus-specific antibodies in patients. These tests are thus ideally suited for screening and subsequent confirmation of the antibody status, in order to verify individual immune protection, control the existing pandemic and reduce the spread of SARS-CoV-2 through targeted measures.

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GA Generic Assays ELISA kits for COVID-19 diagnostics



GA CoV-2 IgG / IgM

- ELISA screening for the determination of IgG or IgM SARS-CoV-2 antibodies in serum and plasma
- 96 determinations per test kit including positive and negative controls
- 105 min total assay time
- 15 months shelf life
- Fully automatable
- CE marked

GA CoV-2 IgG+

- IgG confirmatory test specific for SARS-CoV-2 N-, S1- and S2-proteins
- 24x4 determinations per test kit including positive and negative controls
- 105 min total assay time
- 15 months shelf life
- Fully automatable
- CE marked



Sensitivity and specificity

A first study conducted in an emergency centre for COVID-19 infected patients showed outstanding sensitivities and specificities using the GA CoV-2 IgM/IgG/IgG+ $\geq 98\%$.

Order information

Pathogen	Product Name	Method	Description	Article Number
SARS-CoV-2	GA CoV-2 IgG	ELISA	96x1 Determinations	3920
SARS-CoV-2	GA CoV-2 IgM	ELISA	96x1 Determinations	3930
SARS-CoV-2	GA CoV-2 IgG+	ELISA	24x4 Determinations	3940



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