

SARS-CoV-2 Ab Rapid Test

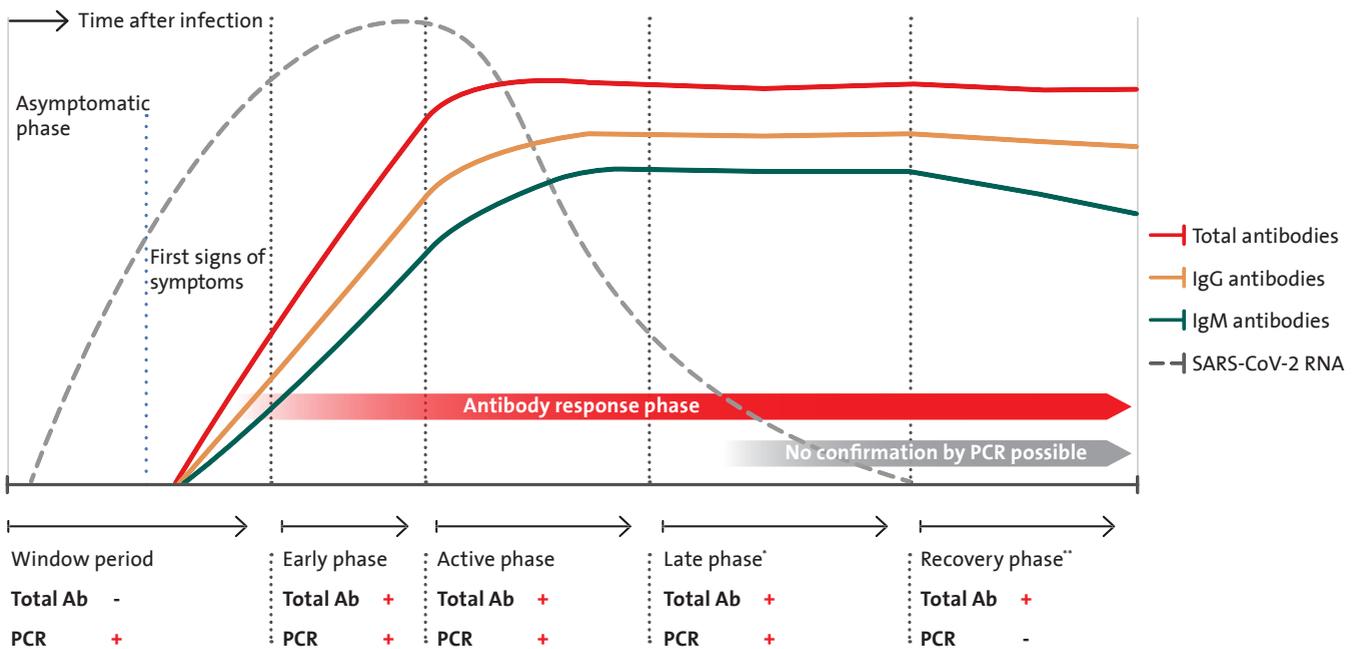
High performance total antibody test

Total Ab Rapid Test for qualitative detection of total antibodies against the 2019 novel coronavirus (SARS-CoV-2) in whole blood, serum or plasma specimens. Total Ab means all three, namely IgM, IgG and IgA.

COVID-19

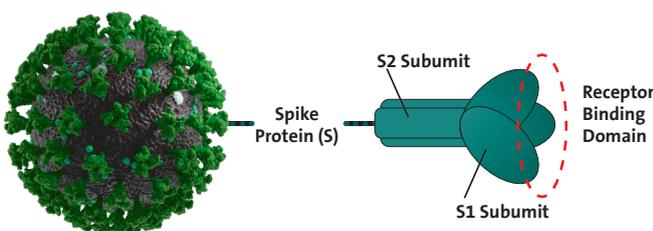
The novel coronavirus SARS-CoV-2 is spreading rapidly worldwide. As a novel virus, there is no pre-existing immunity against it. It is important to identify both, acute infected people by molecular test and then in a second phase the antibody response of individuals in order to reduce the risk of spreading the virus and get an overview on seroprevalence and immune status of a patient.

The graph below shows there is a detection window for molecular methods which is overlapped by the antibody response phase. It also can be seen that IgM and IgG show about the same response curve.¹ A total Ab test has the full advantage, of both, typically showing a higher sensitivity than single tests and an easy interpretation. IgM, IgA and IgG are summing up on the total Ab-line, hence contributing all three in total Ab response with a high sensitivity at a wide time range.²



* Result pattern also in case patient is in a recurrent phase ** Result pattern also in patients with past infections

Graphics for illustration purposes only



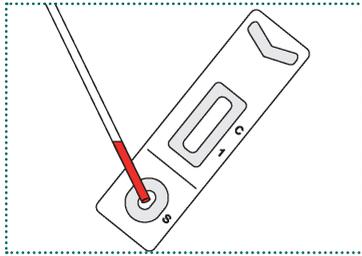
S1 RBD labeling antigen

The SARS-CoV-2 Ab assay detects antibodies to the Receptor Binding Domain (RBD) of the spike S1 protein. Studies have shown that antibodies against the RBD are neutralizing in vitro, indicating that they may be an effective measure of immunity.²

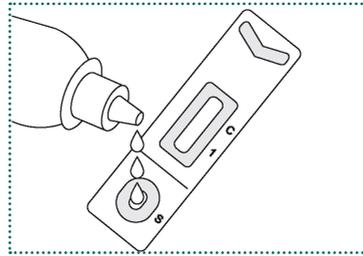
SARS-COV-2 Ab Rapid Test

Easy-to-use blood test. Results within 15 minutes.

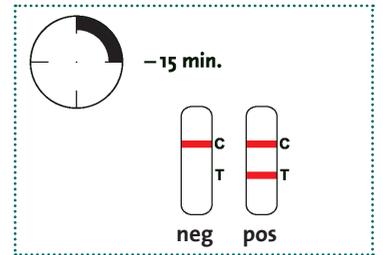
Test procedure



Add 10 µl of specimen into the sample window.



Immediately add 2 drops of diluent buffer into the sample window.

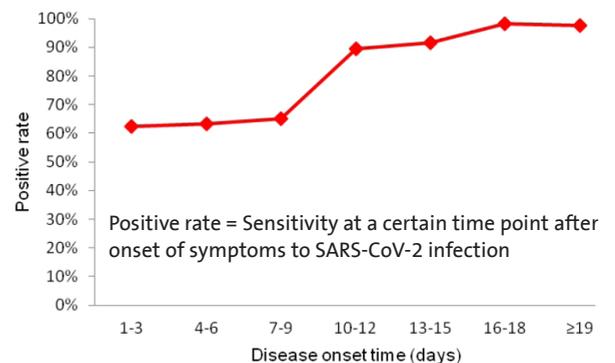


Read the results after 15 minutes.

Clinical performance

The RDT quality is proven by a high number of positive and negative samples, showing a sensitivity of 94.7% and a specificity of 98.9%. The curve of the positive rate clearly marks high positive rates with day 10 onwards, increasing up to 100%, when patients immune system is responding to the SARS-Cov-2 infection with an antibody production. The test is reliable and cross reactivity against other corona viruses and respiratory viruses, e.g. flu as well as interferences, have been tested. For details refer to the instruction for use.

Clinical performance depending on disease onset



Your advantages at a glance

- > High sensitivity and specificity
- > Test results in only 15 minutes, easy handling and read-out
- > Validated for whole blood (venous or capillary), serum or plasma, no naso-pharyngeal smears need
- > No instrument and lab needed, storage at room temperature
- > Can detect past "silent infections"

SARS-CoV-2 Ab Rapid Test REF: WJ-2750*

Colloidal gold lateral flow rapid test for the qualitative detection of total antibodies against SARS-CoV-2.

- > Kit size: 50 tests
- > Storage: 2...30°C
- > CE-IVD marked according to Directive 98/79/EC



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Diagnostics Worldwide

¹ Herroelen P.H. et. al. Kinetics of the humoral immune response to SARS-CoV-2: comparative analytical performance of seven commercial serology tests. medRxiv June 12, 2020

² Corine H. GeurtsvanKessel, et.al. Towards the next phase: evaluation of serological assays for diagnostics and exposure Assessment. medRxiv preprint doi: <https://doi.org/10.1101/2020.04.23.20077156>, 29. April 2020

³ Instruction for use VER: 20/02 (March 26, 2020)

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