



Fast antibody detection has a role in COVID-19 management

The immune response of COVID-19 infection

Antibodies against SARS-CoV-2 indicate previous COVID-19 infection¹. Past infection is mainly thought to prevent re-infection at least for some time with a few reported exceptions^{1,2}. The full picture of the immune response is still not fully understood¹.

The SARS-CoV-2 specific antibody levels reach the peak within 3–4 weeks and decline slowly during the following months¹. Patients with severe disease have higher antibody levels but it has been shown that antibodies are also generated in patients with mild or asymptomatic infections^{1,3}. There is high individual variation in the neutralizing activity of antibodies, but the activity has been observed to last at least 5 months after mild COVID-19 cases^{3–5}. Interestingly, the levels of IgG antibodies seem to reflect the neutralizing activity^{3,5}.

Use of rapid tests for antibody detection

When resources are limited, testing with rapid antibody tests is recommended to evaluate sero-prevalence and the locations of outbreaks. This is especially important among healthcare personnel and other essential high-risk areas. In addition, this gives timely information for taking relevant public health measures and making control strategies of outbreaks.⁶

The antibody detection tests are currently considered most useful on a population level to support serosurveillance studies, to determine mortality rate and to evaluate changes in incidences and prevalences.¹ On an individual level, antibody detection can provide information of previous infection, thus helping to identify e.g. reasons for unexpected secondary health problems caused by mild COVID-19⁷. Rapid antibody detection tests with proven performance can help especially in high prevalence situations¹.

Our solution for rapid antibody detection: Acro 2019-nCoV IgG/IgM Rapid test Cassette

- Convenient use as only a [fingerstick blood sample](#) is needed
- Evaluated with clinical samples and used in independent evaluations^{8–10}
- Results in [10 minutes](#)
- CE marked

Acro 2019-nCoV IgG/IgM Rapid test Cassette, 25 tests

Product number: INCP-402

Order number: 154601

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