



COVID-19 IgG Antibody test

To detect putative neutralizing antibodies via ELISA takes 1 to 3 hours

CAMPTON Diagnostics Reader 100 and COVID-19 IgG test reduce testing time to 13 min

At CAMPTON Diagnostics we believe that faster and more accessible diagnostics will improve patient outcomes leading to a longer and healthier life. With the new CAMPTON Reader 100 a true point-of-care platform is introduced enabling while-you-wait results for faster disease treatment and management.

COVID-19 IgG antibody test

The CAMPTON COVID-19 IgG antibody test examines patient samples for antibodies against SARS-CoV-2 virus, which can lead to COVID-19. To prevent further and rapid spread of the infectious COVID-19, it is necessary to identify infectious patients with and without symptoms as well as recovered patients.

With our COVID-19 IgG antibodytest, physicians can quickly and efficiently identify whether and how many antibodies a patient has developed and can be considered as recovered. The test delivers a reliable result from just a few microlitres of serum or whole blood in accordance with WHO guidelines during 13 minutes at the point of care, i.e. in the immediate vicinity of the patient's sample collection. This eliminates the need for a time-consuming logistics chain that involves storage and transport of samples.

Advantages of the CAMPTON IgG antibodytest

Common serological diagnostic tests usually require laboratories and excessive equipment as well as extensively trained personnel to deliver slow results for goldstandard ELISA (enzyme-linked immunosorbent assay) test (e.g. 1-3 hours to get results).

Our portable and fully automated CAMPTON Reader 100 device performs sample preparation and detection via an μ ELISA all within the self-contained single-use "laboratory in a cartridge" within 13 min. This makes it especially easy to perform with minimal equipment and training.

The CAMPTON COVID-19 IgG antibodytest can be combined with our CAMPTON COVID-19 RT-LAMP test both running on the same CAMPTON Reader reducing the need for multiple testing platforms. These test results within minutes, enable simultaneous identification of putative infectious as well as recovered patients leading to cost- and time-efficient diagnostics for improved patient outcomes.

Rapid detection of Covid-19 antibodies via μ ELISA with just a few microlitres of blood.

Detection of antibodies against both SARS-CoV-2 nucleocapsid protein and SARS-CoV-2 spike protein antigens.

CAMPTON COVID-19 IgG Antibody test



CAMPTON COVID-19 IgG antibody test - at a glance

- Fully automated platform – from sample-in to automatically analysed and recorded results on demand
- Robust – works over broad operating conditions
- Easy – minimal equipment and training required
- Smart Handling – specifically shaped ready-to-use cartridges are especially user-friendly and enable easy loading of all consumables
- Safe – sealed cartridges help to prevent cross-contamination
- Compact Design – space-efficient and true POC capabilities



Quick facts

- Measurement from a drop of blood (10 µl) from the fingertip
- Results within 13 minutes
- Sensitivity comparable with laboratory ELISA test pursued
- High specificity: Detection of antibodies against SARS-CoV-2 nucleocapsid (N) and spike (S) protein antigens
- Semi-quantitative and qualitative analysis possible
- Detection via µELISA on an electrical biochip

COVID-19 serological and molecular biological assays both expected to be released in 2020/2021.

For our molecularbiological COVID-19 test please see our separate flyer COVID-19 RT-LAMP test.

About CAMPTON Diagnostics GmbH

Spun off from the Fraunhofer Institute for Silicon Technology (ISIT) in Itzehoe in 2016, the company develops and markets complete measuring systems for point-of-care diagnostics, i.e. for on-site examinations of patients. CAMPTON Diagnostics combines biotechnological and engineering know-how under one roof.

CAMPTON Diagnostics is based in Itzehoe and has a strategic technology partnership with the Fraunhofer Institute for Silicon Technology (ISIT). One of the shareholders of CAMPTON is the German Würth Group.

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