

Siemens Healthineers is the First Leading Diagnostics Company Offering a Quantitative COVID-19 Test to Measure Neutralizing Antibodies

- **The Siemens Healthineers SARS-CoV-2 IgG Antibody Test, available under CE Mark, has proven to measure neutralizing antibodies. The company has submitted to the FDA under EUA.**
- **As SARS-CoV-2 vaccines become available, Siemens Healthineers is ready with fully automated antibody tests that can be used help inform whether broad vaccination programs are working.**
- **Reliable antibody tests are a valuable tool to measure the effectiveness of vaccines.**

Siemens Healthineers announced today its SARS-CoV-2 IgG Antibody Test (sCOVG)¹ has proven to measure neutralizing antibodies and has achieved CE Mark. The test is an enhanced version of the assay which became available globally this summer, including in the U.S. It demonstrates the ability to detect neutralizing antibodies and reports quantitative results measuring the amount of neutralizing antibodies present in a patient's blood sample. The company has submitted an application to FDA under Emergency Use Authorization.

Neutralizing antibodies are critical in the fight against COVID-19 because they defend cells from infection by the virus. A virus typically produces an immune response of many antibodies that act as an army to help fight off the virus; however, only a small subset of those antibodies are capable of neutralization—blocking the virus from infecting additional cells. Those neutralizing antibodies develop either in response to natural infection or to vaccination, then subsequently bind to the virus and block infection. To measure a vaccine's effectiveness, it is critical to identify both the presence of these neutralizing antibodies as

well as quantitatively assess the likely level needed to protect against future encounters with the virus. The Siemens Healthineers' antibody test will make learning this information possible as vaccines are rolled out and exposure to COVID-19 is tested against immunization and the level of immunity a vaccine provides.

"At the onset of the pandemic, the scientific community had to learn about COVID-19 and how our immune systems would respond. We targeted the spike protein for our antibody tests, anticipating antibodies to this protein would eventually prove to be neutralizing," said Deepak Nath, PhD, President of Laboratory Diagnostics at Siemens Healthineers. "Adequate data is available now to confirm the spike protein antibodies are indeed neutralizing, especially those against the spike receptor binding domain. Healthcare providers can feel confident that our test will help them determine whether a patient's immune system is producing the right antibodies to stop or prevent COVID-19 infection."

The Siemens Healthineers SARS-CoV-2 IgG antibody tests are available on one of the largest installed bases of automated immunoassay analyzers worldwide, and the largest in the U.S. This includes the Atellica® Solution and ADVIA Centaur® XP and XPT families of analyzers and the Dimension Vista® and Dimension® EXL™ systems.

Siemens Healthineers has distinguished itself as a provider of quality assays to aid the COVID-19 pandemic. In addition to antibody, antigen, and molecular SARS-CoV-2 tests, Siemens Healthineers offers a broad diagnostics portfolio to aid in the prognosis, treatment and follow-up of COVID-19 patients. The company's broad and differentiated menu includes hematology, coagulation, cardiac, respiratory, inflammation and infectious disease panels. Blood gas and imaging solutions from Siemens Healthineers deliver actionable results that aid clinicians in caring for COVID-19 patients.

¹ Not available for sale in the U.S. Product availability may vary from country to country and is subject to varying regulatory requirements.

This press release and a press picture is available at <https://www.siemens-healthineers.com/press-room/press-releases/covid-19-igg-quantitative.html>

For further information please see <https://www.siemens-healthineers.com/laboratory-diagnostics/covid-19-response>

For COVID-19 related information please see <https://www.siemens-healthineers.com/press-room/press-features/pf-covid-19.html>

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Siemens Healthineers AG (listed in Frankfurt, Germany: SHL) is shaping the future of Healthcare. As a leading medical technology company headquartered in Erlangen, Germany, Siemens Healthineers enables healthcare providers worldwide through its regional companies to increase value by empowering them on their journey towards expanding precision medicine, transforming care delivery, improving the patient experience, and digitalizing healthcare. Siemens Healthineers is continuously developing its product and service portfolio, with AI-supported applications and digital offerings that play an increasingly important role in the next generation of medical technology. These new applications will enhance the company's foundation in in-vitro diagnostics, image-guided therapy, and in-vivo diagnostics. Siemens Healthineers also provides a range of services and solutions to enhance healthcare providers' ability to provide high-quality, efficient care to patients. In fiscal 2020, which ended on September 30, 2020, Siemens Healthineers, which has approximately 54,000 employees worldwide, generated revenue of €14.5 billion and adjusted EBIT of €2.2 billion. Further information is available at www.siemens-healthineers.com.