Infections

Infectious diseases are disorders caused by organisms; such as bacteria, viruses, fungi or parasites. Many organisms live in and on our bodies. They're normally harmless or even helpful, but some organisms under certain conditions may cause disease.

Some infectious diseases can be passed from person to person while some are transmitted via bites from insects or animals. Others are acquired by ingesting contaminated food or water or other exposures in the environment.

Signs and symptoms vary, but often include fever and chills. Mild complaints may respond to home remedies, while some life-threatening infections may require hospitalization.

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Viral Infections

Viruses are capsules with genetic material inside. They are very tiny, much smaller than bacteria. Viruses cause familiar infectious diseases such as the common cold, flu and warts but they can also cause severe illnesses such as HIV/AIDS, smallpox and hemorrhagic fevers. Viruses can invade normal cells and use those cells to multiply and produce other viruses like themselves. This eventually kills the cells, which can cause illness. Viral infections are hard to treat because viruses live inside your body's cells. They are ""protected"" from medicines, which usually move through your bloodstream. Antibiotics do not work for viral infections. Hoever, there are a limited number of antiviral medicines available. Vaccines can help prevent you from getting many viral diseases.

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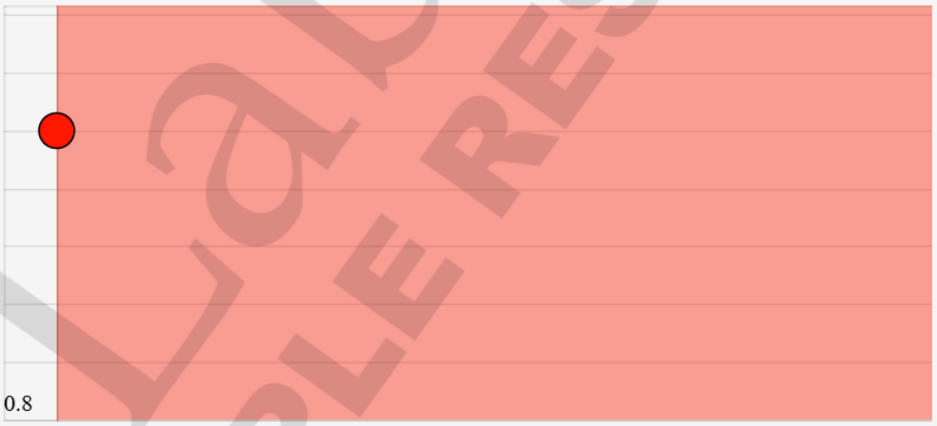
SARS COV 2 AB, T... **>2500.0 H**
(U/mL)
Range: <0.8

SARS COV 2 AB, TOTAL SPIKE SEMI QN
(U/mL)



Result Comments

INDEX	INTERPRETATION
<0.8	Negative
> or = 0.8	Positive

This test is intended to help identify individuals with antibodies to SARS-COV-2 (COVID-19). The results of this semi-quantitative test should not be interpreted as an indication or degree of immunity or protection from reinfection.

A test result that is 0.8 or more (Positive) means antibodies to SARS-CoV-2 were detected in the blood sample by the test. This could mean that the individual may have an immune response to a recent or prior infection with SARS-CoV-2. Positive results may occur after COVID-19 vaccination, but the clinical significance of a positive antibody result for individuals that have received a COVID-19 vaccine is unknown, and the performance of the test has not been established in COVID-19 vaccinees. False positive results for the test may occur due to cross-reactivity from pre-existing antibodies or other possible causes.

A test result that is less than 0.8 (Negative) means that antibodies were not detected in the blood sample by the test. This could mean that the individual has not been previously infected with SARS-CoV-2. The clinical significance of a negative antibody result for individuals that have received a COVID-19 vaccine is unknown. The performance of the test has not been established in COVID-19 vaccinees. False negative results for the test may occur if the individual's antibodies have not reached a sufficient level for the test to be able to detect them. Antibodies can take up to two to three weeks (sometimes longer) to develop after someone is infected. How long antibodies to SARS-CoV-2 last after infection is not known.

This test should not be used to diagnose an active SARS-CoV-2 infection. If an active infection is suspected, direct molecular or antigen testing for SARS-CoV-2 is recommended.

Please review the "Fact Sheets" available for healthcare providers and patients using the following websites:
https://www.QuestDiagnostics.com/home/Covid-19/HCP/antibody/fact-sheet7
https://www.QuestDiagnostics.com/home/Covid-19/Patients/antibody/fact-sheet7

Healthcare Providers: For additional information please refer to http://education.questdiagnostics.com/faq/FAQ219 (This link is being provided for informational/educational purposes only.)

This test has been authorized by the FDA under an Emergency Use Authorization (EUA) for use by authorized laboratories. The FDA authorized labeling is available on the Quest Diagnostics website: www.QuestDiagnostics.com/Covid19.