



SARS-CoV-2 IgG (COVID-19) IgG Antibody – Qualitative Assay

Laboratory Alliance is working to bring a SARS-CoV-2 IgG serology test in-house. In the interim, we are pleased to offer a SARS-CoV-2 IgG (COVID-19) qualitative IgG serology test through our reference laboratory partner, ARUP Laboratories. This assay is performed on the Abbott platform and has received FDA approval as an Emergency Use Authorization (EUA).

Test Interpretation

A positive test result with the SARS-CoV-2 IgG assay indicates that antibodies to SARS-CoV-2 were detected, and the individual has potentially been exposed to COVID-19. The presence of IgG antibodies has not been established to give definitive immunity to COVID-19, and individuals may still be infectious after development of antibodies. IgG serology can help identify individuals who have developed an immune response against COVID-19 but should not be used as the sole diagnostic method. Definitive laboratory diagnosis of COVID-19 should be made by a molecular test such as an RT-PCR assay.

COVID-19 IgG antibodies begin developing approximately 3-7 days after symptom onset and are likely to be detected in the majority of individuals after 14 days. Individuals tested early after infection may not have detectable IgG antibody despite active infection. When testing is negative, the possibility of a false negative result should be considered in the context of an individual's recent exposures and the presence of clinical signs and symptoms consistent with COVID-19. False-positive results are possible in a small percentage of individuals and may be due to past or present infection with non-SARS-CoV-2 coronavirus strains, such as coronavirus HKU1, NL63, OC43, or 229E. Initial data indicates the test specificity is 99.6%.

Test code:	COVABG
Method:	Qualitative Chemiluminescent Immunoassay
Specimen requirements:	Collection – Serum separator tube (SST) or EDTA plasma (Note: Serum or plasma should be separated within 2 hours of collection)
Storage and Transport:	Refrigerated
Stability:	Refrigerated: 1 week; Frozen: 1 month
Unacceptable Conditions:	Specimens transported at ambient temperature Grossly hemolyzed, grossly icteric, or severely lipemic specimens
Turn Around Time:	1-5 days
CPT Code:	86769
Billing Code:	5011912

Questions regarding this test may be directed to Bodhraj Acharya, PhD, Chemistry and Referral Testing Manager, at 315-410-7028 or bodhrajacharya@lacny.com.