Order the following
• Sunquest/Epic: CVGG2 / LAB03876
• Soft/Epic: CVIG2 / LAB7955

Specimen collection criteria
Collect (preferred specimen): One Gold-top SST tube. (Minimum whole blood: 4.0 mL)

Physician office/draw specimen preparation
• Let specimen clot for 30-60 minutes then immediately centrifuge to separate serum from cells. Refrigerate (2-8°C or 36-46°F) the centrifuged SST tube within two hours of collection. (Min: 2.0 mL)

Preparation for courier transport
TRANSPORT: Centrifuged SST tube or serum aliquot, refrigerated (2-8°C or 36-46°F).

Rejection criteria
• hemolyzed specimens
• severely lipemic specimens
• specimens with obvious microbiological contamination

Laboratory
Automated Chemistry Laboratories at Royal Oak and Dearborn

Performed
• Sunday through Saturday
• Results will be available within three to five days of receipt by the Laboratory.

Reference range
Negative

Test methodology
Chemiluminescence immunoassay

Interpretation
This serological test result should always be interpreted together with clinical history and other results such as direct viral detection of SARS-CoV-2 (COVID-19). The performance characteristics of this test were determined by Beaumont Laboratory. This test has been issued Emergency Use Authorization by the US Food and Drug Administration.

Clinical utility
• IgG antibodies to SARS-CoV-2 are detected in the majority of individuals approximately two weeks after the onset of COVID-19 symptoms. If a specimen is collected too early (prior to seroconversion), the test will yield a negative result.
• Presence of IgG antibodies indicates a previous exposure to SARS-CoV-2 and is a measure of immunological responsiveness. However, it is not known at this time if the presence of antibodies confers protective immunity against the virus.
• The SARS-CoV-2 IgG assay is not a diagnostic test. Direct viral detection assays that employ molecular methods such as nucleic acid amplification, are the only laboratory tests that are diagnostic for COVID-19.
• IgG results should not be used to make decisions on infection status.
Incubation period
According to estimates from the World Health Organization (WHO), the incubation period for SARS-CoV-2 ranges from two to 14 days with a median incubation period of five days.

CPT codes
86769
LOINC 94507-1

For more information or questions on SARS-CoV-2 IgG Antibody (COVID-19) analysis, please contact:

Automated Chemistry Laboratories at Beaumont Hospital, Royal Oak and Beaumont Hospital, Dearborn

Qian Sun, Ph.D.
Technical Director, Automated Chemistry Core Lab, Clinical Pathology, Beaumont Medical Group, Royal Oak
248-551-3560

Elizabeth Sykes, M.D.
System Medical Director, Clinical Chemistry, Beaumont Medical Group, Royal Oak
248-551-8024

Gabriel Maine, Ph.D.
Technical Director (Immunology), Clinical Pathology, Beaumont Medical Group, Royal Oak
248-898-9008