

Beaumont Laboratory

SARS-CoV-2 IgG Antibody (COVID-19)

Order the following

- Sunquest/Epic: CVIGG2 / 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 sero-conversion), 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.

(continued on back)

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



TO GET STARTED, CONTACT
LABORATORY CUSTOMER
SERVICE AT **800-551-0488**.

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