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**Lab Dept:** Serology

**Test Name:** SARS-CoV-2 IGG ANTIBODY

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***General Information***

**Lab Order Codes:** SARSG

**Synonyms:** Severe Acute Respiratory Syndrome Coronavirus 2 IgG Antibody

**CPT Codes:** 86769 – Antibody; severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) (coronavirus disease [COVID-19])

**Test Includes:** SARS-CoV-2 IgG antibody reported as positive or negative.

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***Logistics***

**Test indications:** Detection of IgG-class antibodies against SARS-CoV-2, the agent of coronavirus disease 2019 (COVID-19)

**Lab Testing Sections:** Chemistry (performed on the Mpls campus)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1 day (batched once daily)

**Special Instructions:** Serologic testing should NOT be used to diagnose SARS-CoV-2 infection in asymptomatic patients presenting soon after symptom onset due to the risk of false-negative serologic results.

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***Specimen***

**Specimen Type:** Blood

**Container:** SST (Red, marble or gold) tube

**Draw Volume:** 1 mL (Minimum: 0.6 mL) blood

**Processed Volume:** 0.3 (Minimum: 0.2 mL) serum

**Collection:** Routine blood collection

**Special Processing:** Lab Staff: Allow specimen to clot. Centrifuge and remove serum aliquot. Store at refrigerated temperatures.

**Patient Preparation:** See [Limitations](#)

**Sample Rejection:** Mislabeled or unlabeled specimens

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### ***Interpretive***

**Reference Range:** Negative

**Critical Values:** N/A

**Limitations:**

- Symptomatic patients suspected to have acute coronavirus disease 2019 (COVID-19) should be tested using a molecular assay to detect severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) RNA.
- Serologic testing should NOT be used to diagnose SARS-CoV-2 infection in symptomatic patients presenting soon after symptom onset due to the risk of false-negative serologic results.
- False-negative serologic results may occur in serum collected too soon after symptom onset. Typically, the majority of patients begin to seroconvert between 8-11 days post-symptom onset; specimens collected and tested prior to this time point may be negative.
- False-positive results may occur in small percentage individuals. Preliminary data indicate minimal cross-reactivity between antibodies to SARS-CoV-2 and the commonly circulating coronavirus strains, OC43, 229E, NL63, and HKU1.

**Methodology:** Chemiluminescent Microparticle Immunoassay

**References:** Architect SARS-CoV-2 IgG Package Insert, Abbott Laboratories Diagnostics Division, Abbott Park, IL 60064, April 2020

**Updates:** 1/21/2021: Updated acceptable containers.