



# Laboratory *News*

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## **COVID-19 IgG Antibody Serology Testing Available at Marshfield Labs**

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Marshfield Labs continues to offer COVID-19 IgG antibody serology testing. Effective Oct 13, 2020 testing will switch to the FDA EUA-approved Beckman Coulter Access SARS-CoV-2 IgG assay. This assay is a chemiluminescent immunoassay intended for the qualitative detection of IgG antibodies to SARS-CoV-2 in human serum or plasma. Patient results will be reported as Reactive, Non-Reactive or Equivocal.

Updated CDC guidelines indicate that COVID-19 antibody serology testing plays an important role in understanding the virus's epidemiology in the general population and identifying groups at higher risk for infection. Unlike antigen detection tests that identify acutely infected persons, antibody tests help determine whether the individual being tested was previously infected, even if they were asymptomatic.

**Indications:** COVID-19 antibody serology testing can be used to:

- Support diagnosis of acute COVID-19 illness in persons who present late. For persons who present 9–14 days after illness onset, serologic testing can be offered in addition to the recommended viral direct detection methods
- Support a diagnosis when patients present with late complications of COVID-19 illness, such as multisystem inflammatory syndrome in children
- Support epidemiologic studies and for surveillance purposes, such as understanding the transmission dynamics of the virus in the general population
- Identify potential convalescent plasma donors

Serologic testing should **NOT** be used to:

- Establish the presence or absence of SARS-CoV-2 infection or reinfection by itself. Antibodies may not be present among those tested early in illness or among those who never develop detectable antibodies following infection
- Determine immune status in individuals until the presence, durability and duration of immunity is established
- Make decisions about grouping persons residing in or being admitted to congregate settings such as schools, dormitories or correctional facilities
- Make decisions about returning persons to the workplace



**Ordering Details:** This test is designed for detection of antibodies to SARS-CoV-2 in either serum or plasma from individuals suspected to be recovering or recovered from COVID-19 by their healthcare provider.

## **HOW TO ORDER THIS TEST**

- **Test name:** COVID19, SARS-CoV-2 IgG Ab QL
- **Test Code:** COV19IG
- **Specimen:** Preferred: serum (red top, RTT), serum separator tube (SST).  
Acceptable: lithium-heparin plasma separator tube (PST)
- **Specimen volume:** 500 uL
- **Storage:** Refrigerated, stable for 48 hours; Frozen at -20°C, stable for 30 days
- **Test availability:** 24/7
- **CPT Code:** 86769

**Qualitative Interpretation:** Reported as Reactive, Non-Reactive or Equivocal.

Reactive: Antibodies to SARS-CoV-2 IgG detected

Non-Reactive: No IgG antibodies to SARS-CoV-2 detected

Equivocal: Equivocal results are inconclusive. Repeat testing in 1-2 weeks may be considered to detect seroconversion

## **Questions:**

Test information is available in: [Marshfield Labs' Test Reference Manual](#)

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