

### SARS-CoV-2 Antibody Testing Update

Commencing **February 28, 2021**, Beaumont Laboratory will perform all SARS-CoV-2 IgG antibody testing using the EUROIMMUN assay that detects IgG antibody specific for the S1 subunit of the spike protein. Performance characteristics of this test were independently validated by the Special Chemistry section of Beaumont Laboratory Royal Oak. The EUROIMMUN assay replaces the current Abbott SARS-CoV-2 IgG antibody assay that detects IgG antibody specific for the nucleocapsid protein.

#### Ordering Information

- Test Name: **SARS-CoV-2 IgG (Anti-Spike)**
- Epic Test Codes: BH North – LAB7920  
BH South – LAB03872
- Specimen Collection Requirement: One gold-top Serum Separator Tube (SST)

#### Clinical Utility:

- a. Provide evidence of past exposure to SARS-CoV-2.
  - ✓ Most individuals diagnosed with COVID-19 seroconvert within 3 weeks of exposure to SARS-CoV-2.
- b. Provide evidence of antibody responsiveness to COVID-19 vaccination.
  - ✓ It is not recommended to test for spike-specific antibodies until at least 3 weeks post-vaccination.

#### Additional Information:

- The EUROIMMUN test has been issued Emergency Use Authorization by the US Food and Drug Administration.
- The test is intended for the qualitative detection of spike-specific IgG antibody.
- Results will be reported as negative, equivocal or positive.
- For an equivocal test result, repeat testing in 2-3 weeks is recommended if clinically advised.
- A positive test result cannot be used to discriminate between an antibody response caused by a natural infection vs. vaccination

*If you have questions, please contact Client Services:*

- Farmington Hills, Grosse Pointe, Royal Oak and Troy: **1-800-551-0488, option 5**
- Dearborn, Taylor, Trenton and Wayne: **1-800-245-3725, option 1**

For additional information, access the Laboratory Test Directory at:

<http://beaumontlaboratory.com/test-lab-directory>

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**Date submitted:** February 17, 2021

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