

## Keeping Your Patients Healthy During a Pandemic

Gain Clarity with COVID-19 Testing at Baylor Genetics.

From human genetic testing to now, infectious disease testing. Baylor Genetics is here to support you and your patients with our latest test for the novel coronavirus, SARS-CoV-2.

Per the Centers for Disease Control and Prevention (CDC), our test methodology is the standard principle for COVID-19 testing and provides a diagnosis for individuals infected with SARS-CoV-2.

### Turnaround Time:

- 24 - 48 hours

### Accepted Sample Types:

- Nasal Swab
- Nasopharyngeal Swab
- Oropharyngeal Swab

### Limit of Detection:

- 8.00E-01 genomic RNA copies/ $\mu$ L

### The Report: What to Expect

- Reports can be delivered electronically
- Result categories include positive, negative, or indeterminate
- Indeterminate results may be eligible for re-testing

**Note:** It is important to consider the possibility of a false positive or false negative result. With any test result, if COVID-19 is still suspected repeat testing should be considered.

### ABOUT OUR TEST FOR COVID-19

The COVID-19 (SARS-CoV-2) RT-PCR Test is a real-time RT-PCR assay intended for the qualitative detection of SARS-CoV-2 viral RNA in respiratory specimens collected from individuals who meet appropriate COVID-19 clinical and/or epidemiological criteria. Importantly, our turn around-time for reporting is 24-48 hours, thus providing you and your patients with critical information that can be used to guide treatment, quarantine, and contact tracing decisions.

The limit of detection for this assay was determined by the manufacturer to be 8.00E-01 genomic RNA copies/ $\mu$ L. This test has been designed to minimize the likelihood of false positive results. False negative, false positive, and indeterminate results may be due to a variety of factors including, but not limited to, improper collection materials and/or technique, improper storage and/or shipping conditions, specimen contamination, specimen degradation, presence of interfering or inhibiting substances, cross-reactivity with other agents, presence of sequence variants in the viral targets of the assay, and other factors.

Repeat testing should be considered when deemed appropriate. In the case of repeat testing, strict attention to specimen collection protocols and transport conditions should be utilized.

*The listed turnaround time is the usual amount of time from when a specimen is received within the laboratory and the result is available. Samples will be processed Monday - Saturday. Full details on sample collection and shipping instructions can be found on our website. For further assistance, please contact your BG rep or email us at [help@baylorgenetics.com](mailto:help@baylorgenetics.com).*

### WHY TEST WITH BAYLOR GENETICS?

While these are uncertain times, your patient's future doesn't have to be. When you test with Baylor Genetics, you gain access to our advanced technology and team's unmatched knowledge. This means fast, accurate results you and your patients can rely on.

From accepting multiple sample types to electronic reporting, Baylor Genetics is here to support you, your team, and your patients. Together, we can help our community and prevent the spread of COVID-19.

### Testing with Baylor Genetics provides your patients:

- The highest possible care for testing
- Support with their health and wellness
- Insight on the proper next steps for their health, like early treatment
- Resources on how to reduce new infections within their community

## FREQUENTLY ASKED QUESTIONS ABOUT COVID-19

### WHAT IS CORONAVIRUS, COVID-19, AND SARS-COV-2?

**Coronavirus: The type of virus.**

There are many kinds of coronaviruses, some which cause infectious diseases. Coronaviruses are a large family of viruses that are common in people and many different species of animals.

**SARS-CoV-2: The name of the virus.**

Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is a betacoronavirus and the official name of the virus. Typically, viruses are named based on their genetic structure. SARS-CoV-2 was chosen because it's genetically related to the coronavirus that caused the SARS outbreak in 2003.

**COVID-19: The name of the disease.**

On February 11, 2020 the World Health Organization (WHO) announced the official name of the disease, COVID-19. Diseases are caused by viruses. In this case, SARS-CoV-2 causes COVID-19.

### WHAT ARE THE SYMPTOMS OF COVID-19?

Knowing the symptoms associated with COVID-19 will bring more awareness to yourself and your patients. Symptoms may appear 2 – 14 days after exposure to the virus. People with the following symptoms may have COVID-19:

- Cough
- Shortness of breath and/or difficulty breathing
- Fever
- Chills
- Muscle pain
- Sore throat
- Loss of taste or smell

### WHO CAN BE INFECTED?

Since COVID-19 has been detected throughout the world and can easily spread, anyone that has come in contact with the virus is at risk for getting sick. If you or one of your patients are experiencing any of the symptoms listed above, it is recommended to get tested. It is important that those infected receive treatment as soon as possible.

### WHAT ARE SOME WAYS WE CAN PREVENT THE SPREAD OF COVID-19?

In order to help flatten the curve and prevent the spread of COVID-19, we must come together and do our part.

Some ways to help prevent COVID-19 are:

- Wear proper PPE when interacting with patients
- Wear a mask in public places
- Practice social distancing
- Wash your hands often with soap and water
- Cover your coughs and sneezes
- Clean and disinfect frequently touched items and surfaces

## ADDITIONAL RESOURCES

- [www.baylorgenetics.com/covid-19-testing](http://www.baylorgenetics.com/covid-19-testing)
- [www.cdc.gov/coronavirus/2019-ncov/index.html](http://www.cdc.gov/coronavirus/2019-ncov/index.html)
- [www.who.int/emergencies/diseases/novel-coronavirus-2019](http://www.who.int/emergencies/diseases/novel-coronavirus-2019)

## ABOUT BAYLOR GENETICS

Baylor Genetics, an affiliate of the #1 NIH-funded genetics program at Baylor College of Medicine, has been a pioneer of precision medicine for over 40 years. Today, we offer a spectrum of clinically relevant genetic testing, infectious disease testing, access to world-renowned experts and the confidence to provide patients with the best care. When you partner with Baylor Genetics, you are partnering with innovative thinkers, doers and experts in the field of everything genetics.