**COVID-19 PCR TESTING**

AGS is now offering COVID-19 PCR Testing to all its corporate clients and authorized AGS Practitioners & Providers.

**WHAT IS COVID-19?**
The COVID-19 virus is a respiratory illness that can be spread from person to person. It is caused by SARS CoV-2 virus (Severe Acute Respiratory Syndrome Coronavirus-2). The COVID-19 virus is a new coronavirus that was first identified after an outbreak in Wuhan, China. It has now spread throughout the world.

**PCR TESTING FOR COVID-19:**
This COVID-19 test is an FDA approved PCR (Polymerase Chain Reaction) test. The assay is a real-time (RT-qPCR) in vitro diagnostic test intended for the qualitative detection of RNA from SARS-CoV-2. The virus is isolated and purified from oropharyngeal (OP) and deep nasal swab specimens obtained from individuals who meet COVID-19 clinical and/or epidemiological criteria. The process is a qualitative test for the detection of the coronavirus of the SARS-CoV-2 RNA during the acute phase of infection.* PCR testing is considered the gold standard for viral detection.*

**ACCURACY WITH PCR TESTING:**
- Process is standardized for all microbes.
- Because a specific sequence can be amplified, much less clinical material is needed to make a diagnosis.
- Identifies causative organism SARS CoV-2 by its RNA (possible to diagnosis infections accurately).
- Reliable diagnosis (high sensitivity & specificity) >95% sensitivity and >95% specificity.**
- Reliable results are dependent on adequate specimen collection, transport, storage and processing.

**TURN AROUND TIME (TAT) & SPECIMEN STABILITY**
Results will be delivered to the client and their employer or provider within 24 hours of being received by lab. Specimens are stable for up to 72 hours at room temperature.
WHAT IS THE TEST COLLECTION PROCESS?

COVID-19 testing is simple and painless.

1. To get started, contact Advanced Genomic Solutions to solidify a testing agreement^ and contract.
2. Schedule your on-site testing event (all test kits, forms, and return instructions provided).
3. Results will be returned to employers and/or AGS Practitioners & Providers for review and action.

WHICH TYPE OF TESTING IS RECOMMENDED?

AGS offers two types of COVID-19 testing. RT-qPCR (PCR) and Antibody (Serologic) Testing. The PCR test is highly accurate and recommended by the CDC:

- **PCR Test.** Viral tests check samples from your respiratory system (such as swabs of the inside of the nose) to tell you if you currently have an infection with SARS-CoV-2, the virus that causes COVID-19. For more information, refer to the CDC guidelines on COVID-19 testing.
- **Antibody Test.** A person's natural immune response to COVID-19 is the production of antibodies IgG and IgM. An antibody test may not be able to show if you have a current infection, because it can take 1-3 weeks after infection to make antibodies. We do not know yet if having antibodies to the virus can protect someone from getting infected with the virus again, or how long that protection might last.

TESTING OVERVIEW & FREQUENTLY ASKED QUESTIONS

HOW MUCH IS TESTING?

Prepaid testing, $149 per test. Includes on-site sample collection^.
AGS can work with employers to organize drive up collection for participating employees. Authorized AGS Practitioners & Providers may offer in-office testing for patients.

WHY SHOULD EMPLOYERS OFFER TESTING?

As businesses begin to reopen, employers will need to do everything they can to ensure the health and safety of their employees. Many people infected with the COVID-19 virus do not demonstrate symptoms, but still spread the disease. The CDC recommends testing employees prior to their return to work with PCR testing to notify and confirm employed team members, if positive, so they can quarantine and seek medical help.

COVID-19 SAMPLE RESULTS

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<thead>
<tr>
<th>Molecular Disease Profile</th>
<th>Physician Information</th>
<th>Case Information</th>
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<tbody>
<tr>
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<td>DOE, JOHN</td>
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<table>
<thead>
<tr>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coronavirus-COVID-19</td>
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</tbody>
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STONE Clinical Laboratories LLC is a CAP accredited & CLIA-certified laboratory in New Orleans, Louisiana. With expanded capacity to conduct 5,000 COVID-19 tests and 9,000 COVID-19 antibody tests per day, they have accepted the challenge to delivery highly accurate results to those effected by this national health crisis.

*CDC https://www.cdc.gov/coronavirus/2019-ncov/lab/index.html*

**Sensitivity and specificity are based on the ability to detect the presence of an organism. Detection of non pathogenic organisms such as normal flora or incidental organisms cannot be entirely excluded.**

For additional information, contact Advanced Genomic Solutions (AGS) LLC: