

SARS-CoV-2 Insta-Test

GLCM SARS-CoV-2 Insta-Test and SARS Variants

- The *GLCM SARS-CoV-2 Insta-Test* is a non-intrusive point-of-care diagnostic screening tool that introduces an effective platform for detecting SARS-CoV-2.
- GLCM is confident that all SARS variants will be detected and are confirming through clinical trials which are now underway.
- The virus has mutated to generate 3 distinct strains relating to differing geographical regions where the new strains are thought to originate:
 1. UK variant
 2. Brazil variant
 3. South African variant¹
- Reference: CDC, "Emerging SARS-CoV-2 Variants", Update Jan 28 2021, Accessed Feb 12 2021. <https://www.cdc.gov/coronavirus/2019-ncov/more/science-and-research/scientific-brief-emerging-variants.html#:~:text=Multiple%20SARS%20CoV%2D2%20variants,a%20large%20number%20of%20mutations>

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Differentiating the *Insta-Test* from the PCR Test

There are a number of variables specific to PCR tests listed by the FDA which can affect PCR test results:

- The swab may not collect the necessary RNA to analyze
- Contamination of the sample during handling
- Storing the sample at incorrect temperatures before being analyzed
- The chemicals used to extract the genetic material may not work correctly

PCR test results are generally returned between 18 and 48 hours introducing the possibility of the patient contracting the virus. Trained technicians, expensive lab equipment and a high cost per test can also be negative factors when using PCR tests.

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Differentiating the *Insta-Test* from the PCR Test

- There are a number of advantages specific to the GLCM *Insta-Test* antigen test over the PCR test:
 - The *Insta-Test* identifies only the specific proteins from the virus.
 - The speed of obtaining the test result is crucial in eliminating the chance of the patient contacting the virus between testing and receiving results. This is not the case with PCR tests.
 - The test platform is tailorable and offers a rapid solution to emerging and future strains of SARS and other viral diseases.
 - No intrusive nose or throat swabs. Only a saliva sample is needed, making the *Insta-Test* a fast, safe, simple, user friendly test.

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Advantages of the GLCM *Insta-Test* in a Pre-Departure Situation

- The speed of obtaining the test result is crucial in eliminating the prospect of the patient contacting the virus between testing and boarding a plane or cruise ship.
- The test platform can be administered by individuals who have received training similar to a basic first aid course.
- Testing with the GLCM *Insta-Test* at the point of departure can create “Covid Free” zone, reducing the stress and anxiety of being exposed to large groups.
- Eliminating expensive equipment and technicians reduces overhead costs for the tourism industry as well as governments who currently subsidize testing.
- Rapid “at-the-door” testing allows governments to refocus how they allocate testing resources.
- Rapid testing will help reopen the travel industry and in turn increase tax revenue to the various levels of government.