



How The GLCM Platform Works

This simple and *user-friendly* platform technology testing device has been designed to enable GLCM to develop several applications on the platform. Currently GLCM has completed development to test for SARS-CoV-2.

Future development may include:

- Tuberculosis
- Malaria
- HIV
- Zika, MERS, etc.
- Future viruses (future pandemic)

There are three main components for the COVID-19 test: 1- the saliva collection device, 2-sensor unit, and 3-base reader unit. Once the saliva collection unit is saturated, it is pressed into the sensor unit which holds GLCM's proprietary electrochemical sensors. Once the surface of the sensor changes the base reader unit within seconds will read the sample and deliver a positive, negative, or inconclusive result.

GLCM requires all administrators to undertake a simple training program to ensure the understanding of components, management of biohazard waste, and all safety aspects of test management.

FAQ

When will the unit be available?

GLCM continues clinical studies of testing the device. Please contact us for more information.

How much does the unit cost?

Final pricing for the **GLCM's SARS-CoV-2 Test** will be available through our major distributors. A list of our distributors soon to be available on our website.

What is the efficacy of the test?

GLCM has completed significant validation testing with results demonstrating near gold-standard results. Please contact us for more information.

What types of infection rates will this device pick up of the COVID-19 virus? Is there a range?

The rate of infection of a disease is the probability within a population that a person will become infected. GLCM's biosensor test can detect all SARS variants.

SARS-CoV-2 GLCM Biosensor Test

RAPID RESPONSE TIME

Results in under 1 minute

NON-INTRUSIVE METHOD

Easy-to-use. An oral swab absorbs the saliva sample, eliminating the use of a nasopharyngeal swab

COST EFFECTIVE AND SCALEABLE

Reusable electronics reader device and disposable saliva collection vessels

Results Management

No specialist, special lab equipment or lab required to deliver results under 1 minute

"AT-THE-DOOR" TECHNOLOGY

A fast and end-user friendly point of care screening tool to manage large groups of people

TAILORABLE AND CUSTOMIZABLE

To detect other types of viruses and pathogens

Variant Detection

Variant Detection: B.1.1.7 (Alpha), B.1.351 (Beta) E484K mutation, B.1.617.2 (Delta), P.1 (Gamma), C.37 (Lambda), Omicron B.1.1.529, Omicron variants: BA.1, BA.2, BA.3, BA.4, BA.5 and descendent lineages. It also includes BA.1/BA.2 circulating recombinant forms such as XE

