



How The GLCM Platform Works

GLC Medical (GLCM) Inc. is a Canadian biotechnology company focused on **changing the world of diagnostics**.

GLCM has “**cracked the code**” on delivering a point-of-care platform that is **accurate, reliable, ultrasensitive rapid testing** for pathogens without the need for expensive equipment and specialized human resources.

Our expertise is in the **early detection** of a broad spectrum of pathogens.

Future development may include:

- Tuberculosis, Monkeypox
- RSV, HIV, Zika, Ebola, Malaria, etc.
- Future pathogens (future pandemic)
- Cancer markers

There are three main components for the GLCM Biosensor Test for SARS-CoV-2: saliva collection device, sensor unit, and base reader unit. Once the saliva is collected, it is transferred onto the sensor unit which holds GLCM’s proprietary electrochemical sensors. Within seconds, the base reader unit will read the sample and deliver a positive, negative, or inconclusive result.

GLCM requires the personnel administering the test to undertake simple training 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 has completed all development and testing of 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.

What is the efficacy of the test?

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

SARS-CoV-2

GLCM Biosensor Test

RAPID RESPONSE TIME

Results in under 1 minute (after assay)

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 (after assay)

“AT-THE-DOOR” TECHNOLOGY

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

TAILORABLE AND CUSTOMIZABLE

To detect other types of pathogens and micro-organisms

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.

BASE READER



SALIVA COLLECTOR



SENSOR VESSEL