

Building Environmental Consultants

Coronavirus (SARS-CoV-2) Testing

Detection of Coronavirus and SARS-CoV-2 in Swabs of Environmental Surfaces

The SARS-CoV-2 (COVID-19) is a recently discovered coronavirus, which has caused the pandemic COVID-19 outbreak. This virus may lead to severe acute respiratory syndrome (SARS) and is predominantly transmitted person to person via droplets and aerosols. While these droplets will degrade over time, studies have shown that the virus has potential for a prolonged tenacity on surfaces (up to 3 days). Due to this, transmission through contaminated surfaces is being investigated as a possible route of exposure.

In the current coronavirus outbreak, companies and health authorities seek solutions to monitor the presence of SARS-CoV-2 in their environments in order to be able to implement immediate sanitation and other measures to protect the health and safety of employees and their environment.

Coronavirus Testing Solution

SARS-CoV-2 surface testing performed by BEC is intended to enable organizations in diverse industries to help test, determine, monitor and eventually strengthen the effectiveness of sanitation measures put in place.

Coronavirus (CoV) Screen

The Coronavirus (CoV) screen test enables screening for the E-gene, which encodes for the envelope surrounding the viral shell. The test was developed¹ as an initial broader assay for all SARS related Coronavirus i.e. SARS-CoV, MERS-CoV, SARS-CoV-2, etc., which could be followed up with the SARS-CoV-2 (COVID19) test as a confirmation when needed. This approach follows the recommendations from the World Health Organization (WHO).

This assay uses an ISO 15216-compliant process control virus to monitor the efficiency of the laboratory analysis process.

SARS-CoV-2 (COVID19) Test¹

The assay is a one-step real-time RT-PCR to specifically detect the RNA-dependent RNA polymerase (RdRP-gene) of the SARS-CoV-2 virus and can be requested either upfront while submitting the samples to the lab, or as an add-on service after a positive Coronavirus (CoV) screen test. Results are presented qualitatively as "Detected" or "Not Detected"

¹ The development of the analysis and the lab analysis itself is by Built Environment - EMLab P&K

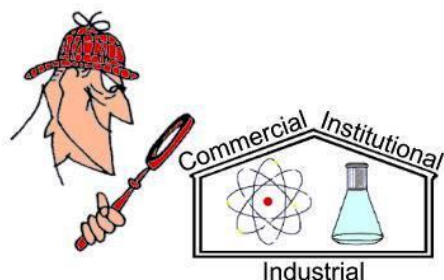
Frequently Asked Questions

What is the purpose of testing?

In the current coronavirus outbreak, companies and health authorities are seeking solutions to monitor the presence of SARS-CoV-2 in their environments in order to be able to implement immediate sanitation and other measures to protect the health and safety of employees and their environment. The test provides a unique opportunity to assess the need for cleaning and to document whether the cleaning has been performed adequately. The test is also relevant for suppliers to document that no infection has been left after delivery, repair and maintenance of machines and equipment. It will enable organizations in diverse industries to help test, determine, monitor and strengthen the effectiveness of sanitation measures put in place.

What surfaces should be tested?

The test can be done on all solid surfaces. It is recommended to be used on surfaces touched by many people, e.g. door handles, stair railings, shared keyboards, tables and table edges.



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Have questions or need a quote? Contact Us!

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