Coronavirus (SARS-CoV-2) is the causal organism of the COVID-19 Pandemic. The persistence and stability of this virus in the indoor environment is an important aspect in the understanding of the spread and detection of COVID-19. Environmental surface testing of SARS-CoV-2 is critical for risk assessment, infection prevention and control measures.

**Environmental Surveillance:**
The EDLab coronavirus test is designed to determine virus presence and persistence on fomites and hard surfaces. Especially, frequently touched surfaces like door handles, elevator buttons, desktops, computers, phones, copy machines and many other things that are at risk of contamination. This test is also ideal for frequently traveled areas like lobbies, hallways, offices, break rooms, bathrooms and more. The test result will help in the investigation of environmental transmission of COVID-19. It is crucial for surveillance and risk mitigation in commercial, educational, healthcare, industrial and public service facilities.

**Remediation:**
Whether proactive or reactive coronavirus monitoring is critical. Once an individual is identified as infected with COVID-19, in addition to their isolation and treatment, the priority is to decontaminate and “clear” the facility, making it safe to re-open. Building scientists at Pure Air Control Services, Inc test various biological, chemical and environmental contaminates of occupiable spaces. Some frequently encountered contaminates are bacteria/Legionella, molds, mycotoxins, endotoxins and others. The ability of testing coronaviruses in buildings is useful in mitigation and risk evaluation. Efficacy of any remediation action to mitigate the identified pollutants can be demonstrated using pre and post remediation samplings.

For more information or to get started testing please contact us today!

1-800-422-7873 (ext) 304  
or visit: [EDLab.org](http://EDLab.org)
How the Test Works:
Environmental surface samples are collected using an aseptic swab with a synthetic tip and plastic shaft. The collected samples need to be transported to the laboratory within 72-hours. The samples are analyzed utilizing RT-qPCR technology. Results are precise, consistent, repeatable and accurate based on gene expression.

EDLab will provide a user friendly report that is easy to understand and helpful in determining next steps.

Surface swab samples are collected from high traffic and/or frequently touched surfaces by making vertical and horizontal swabbing strokes covering the targeted hard surface area.

Laboratory Testing Method:
RT-qPCR with Positive and Negative control samples to measure against.

Coronavirus Management Program (CMP) by Pure Air Control Services:

• Detection: Perform unobtrusive biosurveillance for COVID-19 exposure within facilities
• Monitoring: Monitor efficacy of disinfection and decontamination efforts
• Clearance: Clear buildings using risk assessment
• Assurity: Reassure customers / occupants that an effective Coronavirus management program is in place

EDLab uses an advanced cleaning verification and monitoring system that collects, analyzes and reports data so you can prove the effectiveness of your facility cleaning and infection prevention programs. The PCR Thermocycler features a 5-inch touch screen, wireless sync technology, cloud-based software, and the ability to conduct a wide range of tests. This SARS-nCOV-2 Environmental Test is designed to adapt to your workplace, providing the data you need to optimize infection prevention, lower HAI rates in hospitals and improve indoor air quality (IAQ) in occupiable spaces.

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