

Comprehensive Workflow for the Detection of SARS-CoV-2 in Environmental Surface Swabs

SARS-CoV-2 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. Other routes of exposure are under investigation, such as transmission via aerosoles or through contaminated surfaces.

In the current coronavirus outbreak, companies and health authorities seek for 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.

VIRSeek SARS-CoV-2 Solution

This solution is a comprehensive workflow for the detection of SARS-CoV-2 from environmental surfaces, including four main steps:

- Swabbing of environmental surfaces: VIRSeek PATHOSwab 50
- RNA Extraction: VIRSeek RNAExtractor AE1
- RT-PCR: VIRSeek SARS-CoV-2 Mplex
- Evaluation: FastFinder Software



The **VIRSeek SARS-CoV-2 solution** is certified by the AOAC Research Institute Performance Tested MethodsSM Program, License No. 122006.

VIRSeek SARS-CoV-2 Solution Kit Portfolio



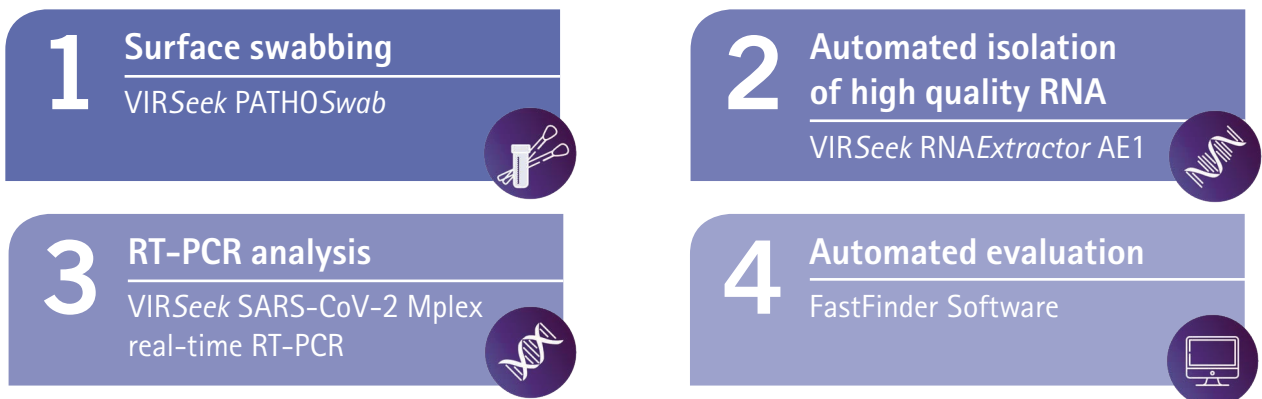
Comprehensive workflow of sampling, analysis and evaluation

Recent research has shown that virus contamination of environmental surfaces may potentially lead to viral transfer and therefore an acceleration of outbreaks. The VIRSeek SARS-CoV-2 Solution includes all required material for surface sampling and ensures effective uptake of the virus from various surfaces.

Within the VIRSeek SARS-CoV-2 workflow the efficient removal of the virus from the swab and automated isolation of high quality RNA is guaranteed by the **VIRSeek RNAExtractor AE1**. Following the RNA extraction, the lysates are analysed with the **VIRSeek SARS-CoV-2 Mplex real-time RT-PCR kit**. The kit is highly specific for two regions (N1/N2) on the SARS-CoV-2 N-gene, ensuring reliable results with a two target approach.

The solution can be used on different surfaces like plastic, stainless steel or cardboard and includes all reagents to ensure highest reliability. The evaluation of the results is facilitated by the **FastFinder software**, which uses advanced machine learning techniques for an automated and reliable analysis.

The VIRSeek SARS-CoV-2 solution is certified by the AOAC Research Institute under the Performance Tested MethodsSM (PTM) program.



VIRSeek SARS-CoV-2 Solution Kits

Article No.	Product Name	Product Description
5728200901	VIRSeek PATHOSwab 50	Kit for 50 virus sample acquisitions. All items/reagents provided.
5524400801 5524400805	VIRSeek RNAExtractor	VIRSeek RNAExtractor for the extraction of viral RNA for 96 x 250 µL
5728201101	VIRSeek SARS-CoV-2 Mplex Real-time RT-PCR Kit	Real-time RT-PCR kit with 96 reactions for rapid SARS-CoV-2 N1 and N2 (N-gene) detection from environmental surface samples.

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