

VIRSeek PATHOSwab 50

SURFACE SAMPLING KIT FOR THE APPLICATION IN
CONTAMINATION AND CLEANING CONTROL MONITORING

Cat. No. 5728200901

VIRSeek PATHOSwab 50, Kit for 50 Sample Acquisitions

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1 GENERAL INFORMATION

The Eurofins Technologies VIRSeek PATHOSwab kit is an additional product to support monitoring surface contamination and cleaning control. It is especially designed and validated for the application of VIRSeek RNAExtractor and VIRSeek real-time RT-PCR for SARS-CoV-2 test kits according to

World Health Organization, “Surface sampling of coronavirus disease (COVID-19): A practical “how to” protocol for health care and public health professionals“, Version: 1.1, February 2020, www.who.int

1.1 Components of the Kit

Consumables and reagents may be stored at 4°C to room temperature. Expiry data are indicated on labels or packaging.

Each kit contains the following consumables and reagents:

- 1x **VIRSeek Sample Acquisition Solution**, 3 mL in Dropper Bottle
- 50x **Hygiene Swabs** in Soft Pouch, stripped, sterile
- 50x **SafeLock Tubes**, 2 mL, for sample storage/transport
- 65x **Adhesive Labels** for tube designation
- 1x **Bag**, sealable, for storage/transport of loaded tubes

1.2 Additional Consumables Required

- Gloves, powder free

1.3 VIRSeek SARS-CoV-2 Solution:

- **VIRSeek SARS-CoV-2 Ident**, cat. no. 5728200701
 - Real-time RT-PCR kit with 96 reactions for rapid detection of SARS-CoV-2 specific RdRP sequence in environmental and food surface samples.
- **VIRSeek Murine Norovirus (MNV) Process Control**, cat. no. 5728200401
 - Murine norovirus spiking material (and real-time RT-PCR kit with 48 reactions for rapid detection of murine norovirus (MNV) process control virus.
- **VIRSeek RNAExtractor**, cat. no. 5524400101
 - Kit for extraction of viral RNA via silica-coated magnetic beads.

2 HOW TO USE THIS PRODUCT

2.1 Important Notes:

- Store all reagents as indicated in section 1.1.
- Do not use the reagents beyond the expiration dates printed on the labels.
- Never store kit components in the vicinity of samples or post-PCR products.

2.2 General and Safety Precautions

- All samples should be handled with caution as they are potentially infectious.
- Viruses should not be handled by pregnant women, children, elderly and immunocompromised individuals due to the high infection risk and potentially fatal health consequences for this group, in particular for the unborn child in case of pregnant women.

2.3 Working Guidelines

- Comply with Good Laboratory Practice (refer to EN ISO 7218 standard).
- Refer to ISO 15216-2:2019 for virus sampling and extraction from food surfaces.
- For sampling from environmental surfaces, please follow the respective WHO guideline (see section 1) before proceeding with RNA extraction.
- Wear gloves and change frequently.
- Only open one swab / tube pair at a time to avoid cross-contamination.

2.4 Cleaning Protocol

- Decontaminate swabbed surfaces with antiviral agents (e.g. 1 % HCl) to remove any contamination with suspectedly active virus.
- Decontaminate loaded sample tube with 70 % EtOH before shipping of submitting for analysis.

2.5 Waste Disposal

- Dispose of any waste which is potentially contaminated with a pathogenic virus according to your internal and local regulations.
- For disposal of reagents and chemicals please refer to safety information.

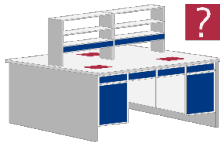
3 SWABBING PROCEDURE

1



- In a first step, respective Personal Protective Equipment (PPE) needs to be put on, thereby following local and/or national guidelines.

2



- Mark out a maximal area of 5 x 5 cm (2 x 2 ") or use swab directly on (e.g. uneven) area.

3



- Take out appropriate numbers of sample tubes and labels, label tubes appropriately.

4



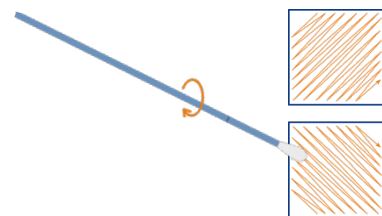
- Unpack swab (only unpack the single swab needed immediately).

5



- Apply 2 – 3 drops of VIRSeek Sample Acquisition Solution from dropper bottle to head of swab.
- The swab needs to be completely soaked.

6



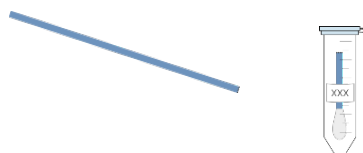
- Swab the (premarked) area of max. 5 x 5 cm (2 x 2 ").
- During surface sampling apply a respective pressure with the wet swab onto the surface.
- Move the swab in at least two different directions while rotating the swab stick.
- For **in-house analysis** of samples, proceed with 7.
- For **external analysis** of samples, proceed with 8.

7



- Process swab for RNA extraction:
 - For sample preparation, pipet 750 µL of VIRSeek RNAExtractor Lysis buffer (including carrier molecule) into a 2 mL RNase-free tube.
 - Dip tip in the lysis buffer, press against tube wall to release liquid (repeat step 3 - 5 times).

8



- Place swab into the designated sample tube and carefully break off the tip (caution, if broken too hard, loaded swab may snap out of the tube).
- Close sample tube with cap completely to avoid any spillage.

9



- Place labelled tube into ziplock bag provided with the kit.
- Shipping at room temperature (25 °C max.) will suffice if shorter than 72 h.

4 ASSAY PROCEDURE

VIRSeek PATHOSwab is optimized for the use with Eurofins GeneScan Technologies' VIRSeek Solution kits. Refer to section 3.6 of the manual of VIRSeek RNAExtractor (cat. no. 5524400101) and proceed according to the instructions. Run the test(s) according to the kit instructions of VIRSeek SARS-COV-2 Screen (cat. no. 5728200601) and/or VIRSeek SARS-CoV-2 Ident (cat. no. 5728200701).



***Please note:** *If samples are shipped for analysis, it should be noted that packaging may deviate depending on the transport carrier as well as subject to the specific regulations prevailing in individual countries.*

5 PRODUCT WARRANTIES, SATISFACTION GUARANTEE

Eurofins GeneScan Technologies GmbH ("GeneScan") warrants the products manufactured by it will be free of defects in materials and workmanship when used in accordance with the applicable instructions before the expiration date marked on the product packaging and when stored under the storage conditions recommended in the instructions and/or on the package. GeneScan makes no other warranty, expressed or implied. There is no warranty of merchantability or fitness for a particular purpose.

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6 PRODUCT USE LIMITATIONS

This kit is developed, designed, and sold for research purposes only. It is not to be used for diagnostic purposes or analysis of food and feed unless expressly cleared for that purpose by the competent regulatory authorities in the country of use. All due care and attention should be exercised in the handling of the materials described in this text.

7 IMPORTANT NOTES

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TECHNICAL SUPPORT SERVICE

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