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DATA SHEET

Version: 03
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1. Identification

Product name **CVX™ Saliva Viral Sample Collection & Stabilization Kit**

Cat. No **SCP021 (20uds)**
Cat. No **SCP022 (100 uds)**

2. Description

Saliva is a promising sample for expanding and facilitating testing due to the ease, safety, and non-invasive nature of its collection and its relatively high viral load.
CVX™ Saliva Viral Sample Collection & Stabilization Kit is designed to collect, and transport saliva specimens containing viruses from patients with signs and symptoms of respiratory infection and subsequent sample processing prior Direct PCR.
Saliva samples are collected by spitting inside the collection funnel which has been assembled with the collection tube. After collecting ≈1 ml of saliva, the collection tube is sent to the laboratory for sample processing. You can store collected saliva at room temperature for no more than 7 days before processing without adding buffers for the stabilization of nucleic acid viral 1,2.
Researchers at Yale University developed a saliva-based method for the detection of SARS-CoV-2. The method uses proteinase K, followed by a heat step to make viral RNA detectable in a saliva sample instead of using kits to extract the RNA3,4.
CVX™ Saliva Viral Sample Collection & Stabilization Kit includes the PK solution (containing proteinase K) that has been specifically formulated to be used following the open-source protocol developed by Yale's researchers and obtain PCR-ready nucleic acids from saliva.

3. Composition

Item	Quantity (Units)	
	SCP021	SCP022
Saliva Collection Tubes	20	100
Funnels	20	100
Proteinase K Solution	160 µL	800 µL
0.5 mL microtubes	20	100

4. Advantages

- ✓ Saliva available for Direct PCR.
- ✓ Pathogen detection directly from saliva samples.
- ✓ Non-invasive, painless, easy to handle. Ideal for children sample collection.
- ✓ Kit contains a fully tested Proteinase K.
- ✓ Proteinase-K-heat method is inexpensive.

5. Storage specifications

Store kit components at room temperature except PK solution that it should be stored at -20ºC for long-term storage or at 4ºC for up to 12 months.

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6. Safety precautions

- ✓ Do not drink the Saliva Preservation Solution.
- ✓ Keep away from children.

7. User Tips

Do not eat, drink, smoke, or chew gum at least 30 min prior to saliva collection. Collecting 1 ml of saliva may require several minutes. Putting some grains of sugar on the tongue helps to produce saliva and does not interfere with the stabilization.
Saliva should be collected with the assistance of a healthcare worker or technician.

8. Further information

Product Use Limitations This product is developed, designed, and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

Safety Information When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. For more information, please consult the appropriate material safety data sheets (MSDS). These are available online in convenient and compact PDF format at www.canvaxbio.com where you can find, view, and print the MSDS for each CANVAX kit.

USER INSTRUCTIONS

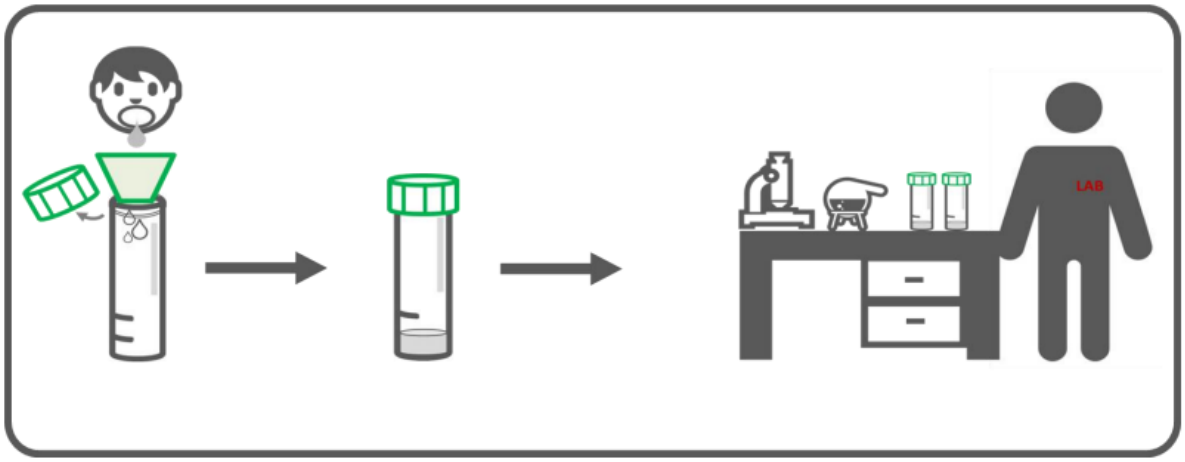
Saliva Collection

1. Unscrew lid from collection tube and assemble the funnel in the collection tube. Direct the sample provided to gently spit into the funnel until your saliva reaches 1ml in the collection tube (not including bubbles).
2. Remove the funnel from the tube and screw lid tightly of the collection container.
3. Sterilize the container surface with 70% ethanol or a disinfecting wipe and place the sample in a secondary container or an appropriately labeled biohazard bag.
4. Dispose of gloves and register the sample collection (including date and time).
5. Transfer the sample at room temperature to the laboratory for sample processing. The virus RNA in saliva remains stable at room temperature for at least 7 days.
   You can store samples at 2-8˚C until sample processing (up to 7 days) or at -80˚C for longer term storage.

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Saliva Sample Procesing

6. Set a heat block to 95˚C.
7. Add **6.5 µL of PK Solution** into each 0.5 mL microtube.
8. Vortex each saliva sample until homogeneous, and immediately transfer **50 µL saliva** to microtube containing 6.5 µL PK solution. Close the microtube lids tightly.
   Take precautions to avoid cross-contamination by using aerosol-resistant barrier tips.
9. Place each microtube in the rack and vortex for 1 minute at 3000-5000 RPM.
10. Place the samples in the pre-heated heat block and incubate at 95 ˚C for 5 minutes.
    Alternatively, you can incubate samples on a PCR instrument or equivalent thermocycler.
11. **The Nucleic acid is now ready for further processing**. Store samples at -80˚C or proceed immediately to RT-PCR testing.

You must use 5 L extracted nucleic acid per PCR reaction.

