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XPRIZE SANATA Protocol for Saliva LFIA Test

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¹Precision Biomonitoring Inc.

1 Works for me

dx.doi.org/10.17504/protocols.io.bkvekw3e

XPRIZE Rapid Covid Testing | SANATA

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ABSTRACT

This procedure outlines the protocol for testing for SARS-CoV-2 using a saliva sample collected from an individual. The purpose of this test is to detect low levels of SARS-CoV-2 antigen at a higher sensitivity. Precision Biomonitoring Inc. developed an ultra-rapid digital, disposable, highly-sensitive and inexpensive testing device used for screening purposes. The mobile app complementary to this medical device is connected through Bluetooth. Using this innovation, the user can be tested at home, at work or point-of-care (POC), and obtain qualitative results. It is recommended that positive results from any home-use test should be confirmed by RT-PCR by a healthcare professional.

DOI

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PROTOCOL CITATION

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KEYWORDS

Lateral Flow, Covid-19, SARS-Cov-2, Antigen Testing, Pandemic, Global Pandemic, Virus

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PROTOCOL INTEGER ID

41606

GUIDELINES

- The digital device kits should be stored at room temperature and should never be exposed to extreme temperatures.
- The digital device kits are for single use. Do not reuse the kits. Dispose of all used materials in a biohazard waste container
- Positive test results should be confirmed by RT-PCR by a health professional.

MATERIALS

mprotocols.io

09/07/2020

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NAME	CATALOG #	VENDOR
SALIVA Lysis Tube	SALLT202001	Precision Biomonitoring Inc.
Disposable Graduated Transfer Pipette	13-711-9AM	Fisher Scientific
Specimen Container	324-765-04	Canadawide Scientific Inc.
LFIA Testing Device	N/A	Precision Biomonitoring Inc.

MATERIALS TEXT

Bluetooth Smartphone

EQUIPMENT

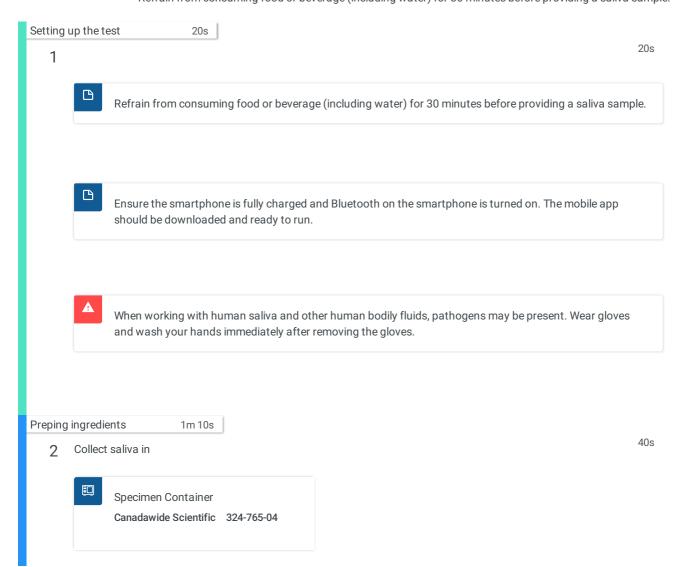
NAME	CATALOG #	VENDOR
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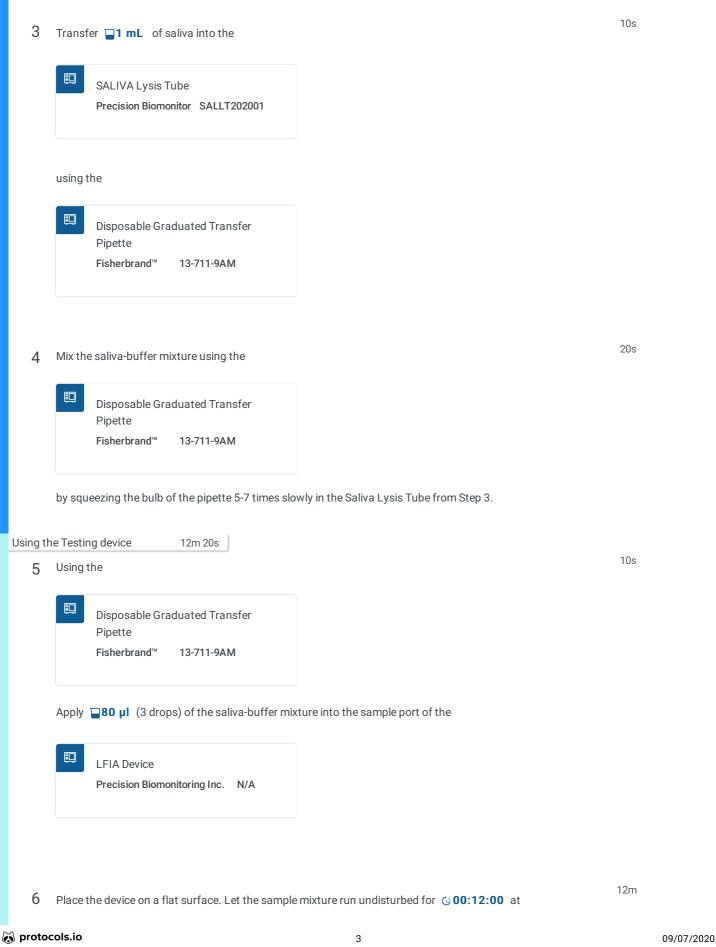
SAFETY WARNINGS

When working with human saliva and other human bodily fluids, there may pathogens present. Wear the correct personal protection equipment (ie. gloves) and wash your hands immediately after removing the gloves.

BEFORE STARTING

Refrain from consuming food or beverage (including water) for 30 minutes before providing a saliva sample.





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§ Room temperature .

7 Ensure the smartphone is connected to the testing device through Bluetooth and read the results using the mobile ^{10s} phone app.



The result will appear on screen as positive, negative, or inconclusive. If the result is inconclusive, conduct another test with a new device.