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# XPRIZE SANATA Protocol for Swab LFIA Test

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1 Works for me dx.doi.org/10.17504/protocols.io.bkzjkx4n

XPRIZE Rapid Covid Testing | SANATA

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### **ABSTRACT**

This procedure outlines the protocol using any swab suitable for a SARS-CoV-2 sample collection. 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 patients can be tested at the point-of-care (POC), and obtain qualitative results. It is recommended that positive results should be confirmed by RT-PCR.

DOI

dx.doi.org/10.17504/protocols.io.bkzjkx4n

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

41739

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 biohazardous waste container.
- It is recommended that positive results should be confirmed by RT-PCR.

MATERIALS

mprotocols.io

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NAME	CATALOG #	VENDOR
SWAB Lysis Tube	SWALT202001	Precision Biomonitoring Inc.
Disposable Graduated Transfer Pipette	13-711-9AM	Fisher Scientific
Flocked Swab	22-025-195	Fisher Scientific
LFIA Testing Device	N/A	Precision Biomonitoring Inc.

### MATERIALS TEXT

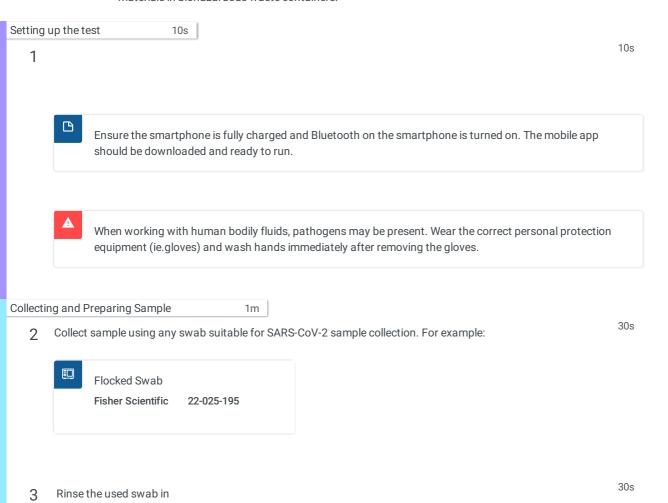
Blutooth Smartphone

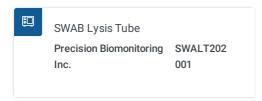
## **EQUIPMENT**

NAME	CATALOG #	VENDOR	
Flocked Swab	22-025-195		
Disposable Graduated Transfer Pipette	13-711-9AM		
LFIA device	N/A		
SWAB Lysis Tube	SWALT202001		

### SAFETY WARNINGS

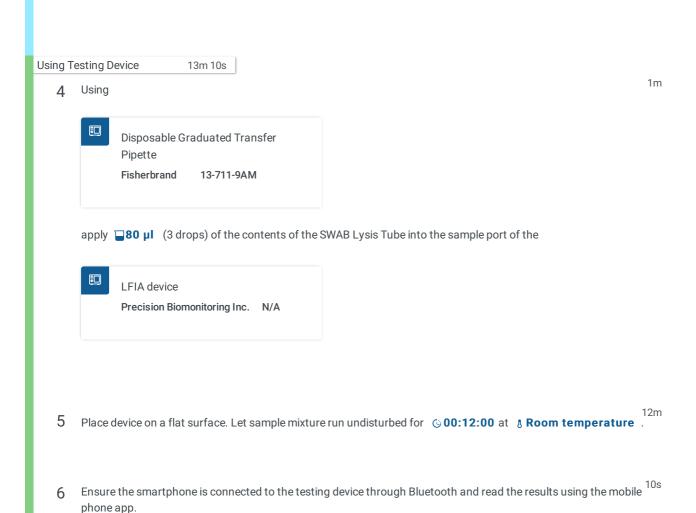
When working with human bodily fluids, pathogens may be present. Wear the correct personal protection equipment (ie. disposable gloves) and wash your hands immediately after removing the gloves. Dispose of materials in biohazardous waste containers.





another test with a new device.

by submerging the swab in the lysis buffer and rotating 5-7 times against the tube walls. Discard the swab in a biohazardous waste container.



The result will appear on screen as positive, negative, or inconclusive. If the result is inconclusive, conduct