Sep 08, 2020

Find SARS-CoV-2 testing protocol

DOI
https://dx.doi.org/10.17504/protocols.io.bk5aky2e

jose.nuno[1]
[1]Unima Inc

XPRIZE Rapid Covid Tes...

jose.nuno

OPEN ACCESS

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Protocol status: In development
We are still developing and optimizing this protocol

Created: September 08, 2020

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Protocol Integer ID: 41858

Keywords: sar, cov, protocol

Disclaimer

Materials

STEP MATERIALS

15 uL Microsafe capillary tube **SAFE-TEC Clinical Products LLC**

0.45um syringeless filter vial **Jiangsu Green Union Science Instrument Co., Ltd.**

Protocol materials

15 uL Microsafe capillary tube **SAFE-TEC Clinical Products LLC**

0.45um syringeless filter vial **Jiangsu Green Union Science Instrument Co., Ltd.**

1

1m

Collect a sample of 400 µL of saliva (up to the filling line) in a 0.45 um syringeless filter vial (provided with the kit). The sample should be collected at least 60 minutes after the last food ingestion and after a mouth rinse with plain water to clean the mouth

0.45um syringeless filter vial **Jiangsu Green Union Science Instrument Co., Ltd.**

Safety information

Be careful of cleaning the surface of the vial if saliva overflows the vial or if saliva particles are expelled from the tube. All saliva samples at this stage must be handled as biohazard materials

Note

All saliva samples should be processed in the following 60 minutes after being generated

2

Put the filter head in the vial and push the plunge until reaching a full stop

15s

Safety information

Be careful of cleaning the surface of the vial if saliva overflows the vial or if saliva particles are expelled from the tube. All saliva samples at this stage must be handled as biohazard materials

Note

All saliva samples should be processed in the following 60 minutes after being generated

3

Open the lid on the vial plunge and take a 15 µL saliva sample with the fixed volume capillary tube provided with the kit

15s

15 uL Microsafe capillary tube **SAFE-TEC Clinical Products LLC**

Safety information

Be careful of cleaning the surface of the vial if saliva overflows the vial or if saliva particles are expelled from the tube. All saliva samples at this stage must be handled as biohazard materials

Note

All saliva samples should be processed in the following 60 minutes after being generated

4 Put the 15 µL filtered saliva sample in the testing site of the testing card 15s

Safety information

Be careful of cleaning the surface of the card if saliva overflows the testing site or if saliva particles contaminate the surface of the card. All saliva samples at this stage must be handled as biohazard materials

Note

All saliva samples should be processed in the following 60 minutes after being generated

5 Wait 00:00:30 seconds 30s

6 Peel out the adhesive tape covering the exhaust perforations in the card 15s

7 Wait 00:05:00 minutes for the reaction to fully occur 5m

8 Open the Xplora app, follow the steps to take the photograph and read the final result from the smartphone screen 30s