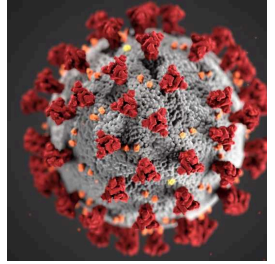Sep 07, 2020

🌐 Saliva Vapor Tests in a Home Environment for Point-of-care COVID-19 Tests

DOI

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Shadi Emam[1], nasrollahpourmotla.m[1], n.sun[1]

[1]Northeastern University

n.sun: This protocol was created for COVID-19 tests using our handheld COVID-19 gas sensor for testing the saliva vapor.

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👤 n.sun

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

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Keywords: saliva vapor test, saliva, covid, test, point of care

Disclaimer

Troubleshooting

1   Turn on the handheld COVID-19 test system. Open the COVID-19 Sensor Mobile App on the smartphone and connect the handheld sensor to the smartphone via Bluetooth.

2   Saliva collection: the person to be tested by the COVID-19 sensor uses a one-time pipette for collecting a couple of drops (0.1mL) of saliva.

3   The pipette with a couple of drops of saliva will be placed at 1-inch distance beneath the SARS-COV-2 gas sensor in the handheld system with its sensor cover open.

4   Wait for 1~60 seconds, the handheld COVID-19 sensor system will show if the test result is shown in the LED indicator with a red (positive), green (negative), or yellow (undecided) light on. The person who is tested with a yellow on will be recommended to a local COVID-19 test site for a molecular test.

5   Disposal of the pipette with saliva after rinsing it with Lysol thoroughly for 10 minutes.

6   All test data will be automatically sent to the smartphone that is connected to the handheld system for data collection and routing to NIH RADx DCC automatically.