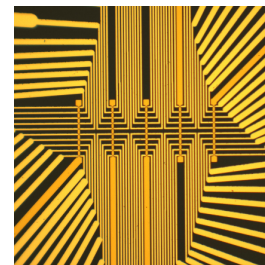


Sep 08, 2020

Protocol to apply saliva samples to quantum mechanical tunneling current real-time point-of-care COVID-19 sensor.

DOI

<https://dx.doi.org/10.17504/protocols.io.bk2gkybw>



Massood Tabib-Azar¹

¹University of Utah

Massood Tabib-Azar: email: azar.m@utah.edu

XPRIZE Rapid Covid Tes...

University of Utah

2 more workspaces



azar.m

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.bk2gkybw>

Protocol Citation: Massood Tabib-Azar 2020. Protocol to apply saliva samples to quantum mechanical tunneling current real-time point-of-care COVID-19 sensor.. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.bk2gkybw>

License: This is an open access protocol distributed under the terms of the **Creative Commons Attribution License**, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

We use this protocol and it's working

Created: September 08, 2020

Last Modified: September 08, 2020

Protocol Integer ID: 41768

Keywords: saliva sample, saliva, covid, cov, protocol

Abstract

This protocol is used to operate an electronic rapid (1 min) point-of-care SARS-CoV-2 sensor



- 1 Apply a small amount (~1 uL) of saliva on the sensor element at room temperature.
- 2 2. Wait for 30 s. The sensor sytem wil turn on a green LED to alert you at the end of the 30 s.
- 3 Measure the sensor I-V using the paired smart phone APP or click on the "Read" botton on the sensor system.
- 4 Apply 60 C water on the sensor for 30 s.
- 5 If the result is "positive", redo the test to increase confidence.
- 6 Re-apply 60 C water on the sensor for 30 s.
- 7 The sensor is ready to be used for another test.