Sep 08, 2020

Dawatek COVID protocol

DOI
dx.doi.org/10.17504/protocols.io.bk24kygw

Leela Raavi[1], Davina Moossazadeh[1], Isaac Chadri[1]

[1]Dawatek

XPRIZE Rapid Covid Tes...

info

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.bk24kygw**

Protocol Citation: Leela Raavi, Davina Moossazadeh, Isaac Chadri 2020. Dawatek COVID protocol. **protocols.io** **https://dx.doi.org/10.17504/protocols.io.bk24kygw**

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: In development
We are still developing and optimizing this protocol, may change as we do more testing

Created: September 08, 2020

Last Modified: September 08, 2020

Protocol Integer ID: 41788

Keywords: covid, protocol

Guidelines

To quickly go through the process, we reccommend having patients prepare saliva as they wait, to shorten the amount of time between patients.

Materials

MATERIALS

- Gold Nanospheres - Bare (Citrate) 80nm **Nanocomposix Catalog #** AUCN80
- Oral Saliva Swab **Salimetrics Catalog #**5001.02 & 5001.05

STEP MATERIALS

- Gold Nanospheres - Bare (Citrate) 80nm **Nanocomposix Catalog #** AUCN80
- Oral Saliva Swab **Salimetrics Catalog #**5001.02 & 5001.05

Protocol materials

- Oral Saliva Swab **Salimetrics Catalog #**5001.02 & 5001.05
- Gold Nanospheres - Bare (Citrate) 80nm **Nanocomposix Catalog #** AUCN80
- Oral Saliva Swab **Salimetrics Catalog #**5001.02 & 5001.05
- Gold Nanospheres - Bare (Citrate) 80nm **Nanocomposix Catalog #** AUCN80
- Oral Saliva Swab **Salimetrics Catalog #**5001.02 & 5001.05
- Gold Nanospheres - Bare (Citrate) 80nm **Nanocomposix Catalog #** AUCN80

Troubleshooting

Safety warnings

Please wear PPE clothing for your own protection

1 Use oral saliva swab kit

Oral Saliva Swab **Salimetrics Catalog #**5001.02 & 5001.05

to obtain minimum 1 mL of saliva, maximum 2 mL

2 Add 1 mL of gold nanoparticles and 1 mL of saliva into 5mL-eppendorf tube.

Mix using vortex mixer for 00:00:05 .

Gold Nanospheres - Bare (Citrate) 80nm **Nanocomposix Catalog #** AUCN80

3 Place tube into sample holder of Raman spectrometer and turn on then press scan.

4 Results will display within seconds