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Dawatek COVID protocol

DOI

<https://dx.doi.org/10.17504/protocols.io.bk24kygw>

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XPRIZE Rapid Covid Tes...



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Protocol status: In development

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



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Guidelines

To quickly go through the process, we recommend 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**

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-ependorf 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