Dawatek COVID protocol

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XPRIZE Rapid Covid Testing

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

GUIDELINES

MATERIALS

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

STEP MATERIALS

Oral Saliva Swab Salimetrics Catalog # 5001.02 & 5001.05

PROTOCOL MATERIALS

Oral Saliva Swab Salimetrics Catalog # 5001.02 & 5001.05

SAFETY WARNINGS

Please wear PPE clothing for your own protection
PROTOCOL integer ID:
41788

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