

Sep 09, 2020

Accessible Health Sentinal Test Protocol

DOI

<https://dx.doi.org/10.17504/protocols.io.bk5wky7e>

John Warner¹, Rebecca Silveston¹, Delphine Dean²

¹Accessible Health; ²Accessible Health, Clemson University

Coronavirus Method De...

XPRIZE Rapid Covid Tes...

1 more workspace



Delphine Dean

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.bk5wky7e>

Protocol Citation: John Warner, Rebecca Silveston, Delphine Dean 2020. Accessible Health Sentinal Test Protocol. protocols.io <https://dx.doi.org/10.17504/protocols.io.bk5wky7e>

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

Created: September 09, 2020

Last Modified: September 09, 2020

Protocol Integer ID: 41878

Keywords: protocol, health, test



App Download

15m 50s

- 1 Once the user receives their test kit, they will download the Accessible Health App to their phone through the Apple App Store or Google Play store.
- 1.1 The app can be found on the store by searching manually or automatically downloaded by using a QR code on the test kit packaging.
- 2 User follows the steps on the app to input their user data.
- 2.1 To confirm user identity, two-factor authentication is required of the user.
- 3 User opens the Assay test kit pouch inside the box packaging
- 3.1 User starts the app and watches the user tutorial video with audio and closed captioning.
- 4 User puts the tab end of the assay on their tongue for at least 10 seconds 10s
- 4.1 If the control line does not appear, the user will put the assay back on their tongue for another 10 seconds to collect more saliva 10s
- 5 Assay is placed face up inside the box packaging and the phone is placed on top (on the shelf in the packaging). 30s
- 6 User taps the start button and closes the specialized box packaging lid.
- 7 User waits 15min for the timer alarm (audible and buzzing). 15m
- 7.1 If the assay is not detected by the app, an audible and buzzing alarm sounds to alert the user. The app will show a video detailing common user error problems and how to fix them (placing assay or phone upside down, or leaving the packaging open). The user will check the positioning of the assay and phone and try again.



- 8 Once the timer on the app goes off, the user can pick up their phone to see their result displayed.
- 8.1 Results are stored locally on the phone and uploaded to a secure cloud database when Wifi or sufficient signal is present.
- 8.2 Results are reported to appropriate organizations and agencies (e.g., state health departments) and contact tracing is initiated for positive cases.