

AVELLINO RESPONSE TO CORONAVIRUS PANDEMIC



Overview

- The FDA EUA-authorized AvellinoCoV2 test for the Coronavirus was developed after Avellino took company-wide action, even before the CDC published its own protocol in late January, to create and produce the test
- Avellino is working with federal and local governments, and private partners in order to continue to increase RNA-based test availability for Bay Area communities and the nation

AvellinoCoV2 Test Development: Action Timeline

Avellino is an early-stage, genetic-testing and personalized medicine company that did not have the resources to halt commercial sales and start producing the company's novel AvellinoCoV2 test. However, Avellino management made the decision to take the steps necessary to produce COVID-19 tests and find willing government and private industry partners to help with development and distribution.

JANUARY 2020

- As the coronavirus pandemic news broke in Asia in early to mid-January 2020, Avellino's Chief Lab Officer, Connie Chao-Shern, PhD, led an internal team to create the proprietary AvellinoCoV2 test
- Once the CDC published its Coronavirus protocol in late January, the Avellino team confirmed the validity of its focus on 2 targets of the N-gene to detect the Coronavirus. The Avellino team also tested and confirmed that the 3rd target of the N-gene as identified by the CDC was not accurately detecting the presence of the Coronavirus. Avellino sent the CDC its findings

MARCH 2020

- Avellino finished CLIA validation of its AvellinoCoV2 test
- Avellino submitted the FDA emergency use authorization (EUA) application for commercial use of its AvellinoCoV2 test
- Avellino received the EUA from the FDA to begin patient sample testing with the AvellinoCoV2 rapid test, which can provide accurate results within 4-7 hours from the arrival at the lab
- The company partnered with the Bay Area municipalities and started testing first responders with the AvellinoCoV2 test
- Avellino then extended AvellinoCoV2 test availability to the general public in the City of Hayward, California by partnering with the city to make the test available and free through testing facilities at Hayward Fire Department locations
- Avellino has begun making the test available to the City of Fremont and its general community
- Avellino also started to make the test available to the Alameda County Water District

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- Avellino temporarily halted production of all commercial genetic-test products in order to ramp up production of the AvellinoCoV2 test to respond to the COVID-19 pandemic
- Avellino is continuing to partner with government and private partners to increase capacity and availability of the AvellinoCoV2 test for everyone to be tested

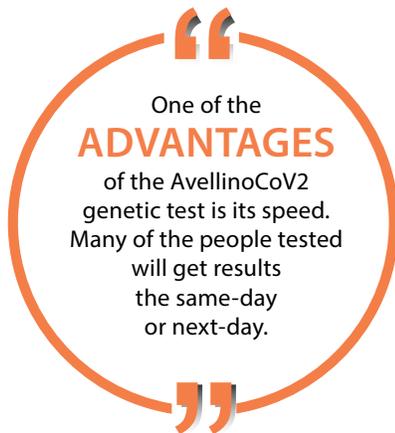
APRIL 2020

- Avellino is ramping up test production and will announce partnerships with other communities and private partners to make the novel AvellinoCoV2 test more widely available as testing asymptomatic carriers becomes more important

AVELLINO COVID-19 CONTRIBUTION HIGHLIGHTS

The AvellinoCoV2 test is a first-of-its-kind RNA-based option that helped revise CDC gene targets for COVID-19:

- Avellino’s genetic testing laboratory and testing lab was reconfigured to create the newly FDA-authorized AvellinoCoV2 test
- The company achieved this by isolating and validating 2 particular targets in the critical N-gene of the Coronavirus needed to test for the active virus
- This discovery was submitted to the CDC days before the CDC’s announcement that finding that only 2 of the 3 N-gene markers were needed for testing



One of the **ADVANTAGES** of the AvellinoCoV2 genetic test is its speed. Many of the people tested will get results the same-day or next-day.

Chief Garrett Contreras
Hayward Fire Department,
Hayward, California



By working **HAND-IN HAND** with healthcare providers, public health officials, and with additional resources, we should be able to scale properly and make the test accessible to all people.

Gene Lee
President and Founder,
Avellino Labs

