#1
24-hour COVID test turnaround*

AvellinoCoV2 RT-PCR TESTS

HIGH PERFORMANCE FOR HIGH CONFIDENCE.

Proven in over 750,000 patients, the **FDA EUA authorized AvellinoCoV2** coronavirus and multi-panel real-time PCR (RT-PCR) virus assays are accurate, fast, and available with swab and saliva collection options.

*Since inception of tracking by California Department of Public Health.
 Accessed at: https://testing.covid19.ca.gov/wp-content/uploads/sites/332/2020/10/20201010-TAT-Dashboard.pdf

AVELLINO

AVELLINOCoV2 RT-PCR TESTS
PROVEN VIRUS DETECTION WHEN IT MATTERS MOST.

AvellinoCoV2 SARS-CoV-2/COVID-19 and the **AvellinoCoV2-Respiratory** tests

both operate on the same RT-PCR testing platform technology.

Asymptomatic Detection*
Accurately identify active COVID-19 virus during the incubation period before symptoms appear and when symptoms are present.

Real-time PCR
Samples are analyzed qualitatively and rapidly through reverse transcriptase Real-Time Polymerase Chain Reaction (RT-PCR).

High Accuracy
Our proprietary RNA N-gene targeting method is accurate even as viruses evolve over time.

Fast Turnaround
Most results available within 24–48 hours from time of sample receipt.†

Non-invasive
Your choice of throat/nasal swab or saliva cup sample collection.††

*   Avellino SARS-CoV-2/COVID-19 test detects COVID-19. Cell samples can be collected using nasal swab or saliva methods.
†   Avellino must receive complete patient and test ordering information at time of sample receipt in order to provide test results in 24–48 hours.
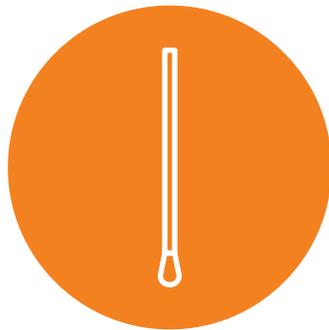†† AvellinoCoV2-Respiratory test identifies SARS-CoV-2/COVID-19, SARS-like viruses, Influenza A, Influenza B, and Influenza C in symptomatic patients. Cell samples must be collected using swab only.
    Nasopharyngeal/oropharyngeal is an option, if preferred.

AVELLINOCoV2 RT-PCR TESTS

TWO COLLECTION METHODS. SAME ACCURATE TESTS.

The FDA EUA authorized AvellinoCoV2 RT-PCR-based virus assays are now offered with two different collection modalities for best-in-class RNA-based diagnostic accuracy. Select either the **AvellinoCoV2-SiNGLE** or **AvellinoCoV2-DuO** to get the accurate and reliable test results you need for the safety of your staff and patients.

SiNGLE
Δvellino CoV2

SWAB*

For patients in nursing or healthcare facilities who need assistance and cannot produce saliva or sit upright.

DüO
Δvellino CoV2

SALIVA OR SWAB*

For healthcare workers, first responders, students, teachers, employees, and others who can produce saliva. Both saliva and swab collection kits are in one convenient package.

*Avellino SARS-CoV-2/COVID-19 test may be administered using either swab or saliva collection methods. AvellinoCoV2-Respiratory test requires collection using a swab. Nasopharyngeal/oropharyngeal is an option, if preferred. See Instructions for testing.

OVER 1 Million tests performed*

AVELLINOCoV2 RT-PCR TESTS

EXCEPTIONAL CLINICAL PERFORMANCE.

Validated according to CLIA Lab Developed Test (LDT) standards, the AvellinoCoV2 test has proven clinical utility.

	Sensitivity[1]	Specificity[1]	Turnaround Time[1†]
AvellinoCoV-2/COVID-19	**97%**	**100%**	**24–48 Hours**
AvellinoCoV2-Respiratory	**>95%**	**100%**	**24–48 Hours**

The Industry Leader in Turnaround Time.

The state of California evaluates molecular diagnostic laboratory turnaround time performance for COVID-19 tests. Avellino has continuously been ranked number one in 24-hour turnaround for each time period measured.[††] Additionally, Avellino was selected as a participant in the Los Angeles County Turnaround Time Performance Improvement Project (comprised of 10 hospital labs and 10 commercial labs).[1]

Laboratory technician performs the fast and accurate AvellinoCoV2 test at Avellino's CLIA-certified lab.

* Avellino has performed over one million genetic and molecular diagnostic tests including the AvellinoCoV2 COVID-19 test.
† Avellino must receive complete patient and test ordering information at time of sample receipt in order to provide test results in 24–48 hours.
†† Since inception of tracking by California Department of Public Health. Accessed at: https://testing.covid19.ca.gov/wp-content/uploads/sites/332/2020/10/20201010-TAT-Dashboard.pdf
1. Data on file. Avellino Labs.

EASY TO ORDER. EASY TO COLLECT. EASY TO ADMINISTRATE.

1

Company orders AvellinoCoV2 genetic tests for delivery and administration by a medical professional.

2

Depending on the test you order, a medical professional swabs the patient's nasal cavity or collects a saliva test sample.

3

Sample is shipped back to Avellino's molecular lab.

4

Avellino processes test, electronically submits results to healthcare worker, and uploads test results to a secure digital portal.

5

Healthcare worker accesses portal and notifies patient of result, or patient receives results directly via text/email. Patient must provide contact information and consent in order to receive results directly.*

6

Avellino direct-bills health insurance for sample collection and testing.

Order your AvellinoCoV2 test and collection kits today.
+1 (650) 396-3741 • info@Avellino.com

*Avellino must receive complete patient and test ordering information at time of sample receipt in order to provide test results in 24–48 hours.
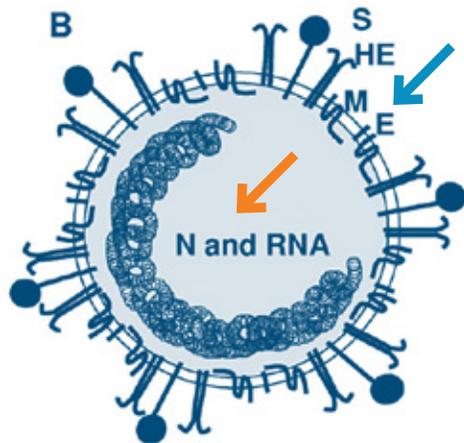
INNOVATION THAT IMPROVED COVID-19 TESTING.

From the early days of the worldwide response to COVID-19, Avellino has played a role in making testing and detection accurate, specific, and fast. Scientists at Avellino confirmed, through our genetic testing process developed for personalized medicine applications, that there were only two N-gene targets needed to identify COVID-19.[1] Shortly after we notified the CDC of our discovery, the CDC updated its own protocol.

Drive-by COVID-19 testing station in Hayward, California, 2020.

"

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

– Garrett Contrera
Hayward Fire Chief, Hayward, CA

"

The **AvellinoCoV2** RNA-based rapid test can play a vital role in helping medical offices and surgical centers stay safe."

– Gene Lee,
Group Chairman, Avellino Labs

A commitment to safety and speed.

In the early days of the COVID-19 response, Avellino paved the way for public and first responder COVID-19 testing. Our work with cities, first responders, healthcare facilities and businesses shaped our understanding of the important relationship between highly accurate testing and rapid turnaround time.

1. Data on file. Avellino Labs.

AVELLINOCoV2 COVID-19 TEST
ENSURING EARLY DETECTION—THE RIGHT WAY.

Choosing the right COVID-19 testing solution is important. From pre-symptomatic onset through the later stages of symptomatic expression, the AvellinoCoV2 RT-PCR test delivers trustworthy detection to help you keep your employees, clinical staff, and patients safe—at any stage of the disease.
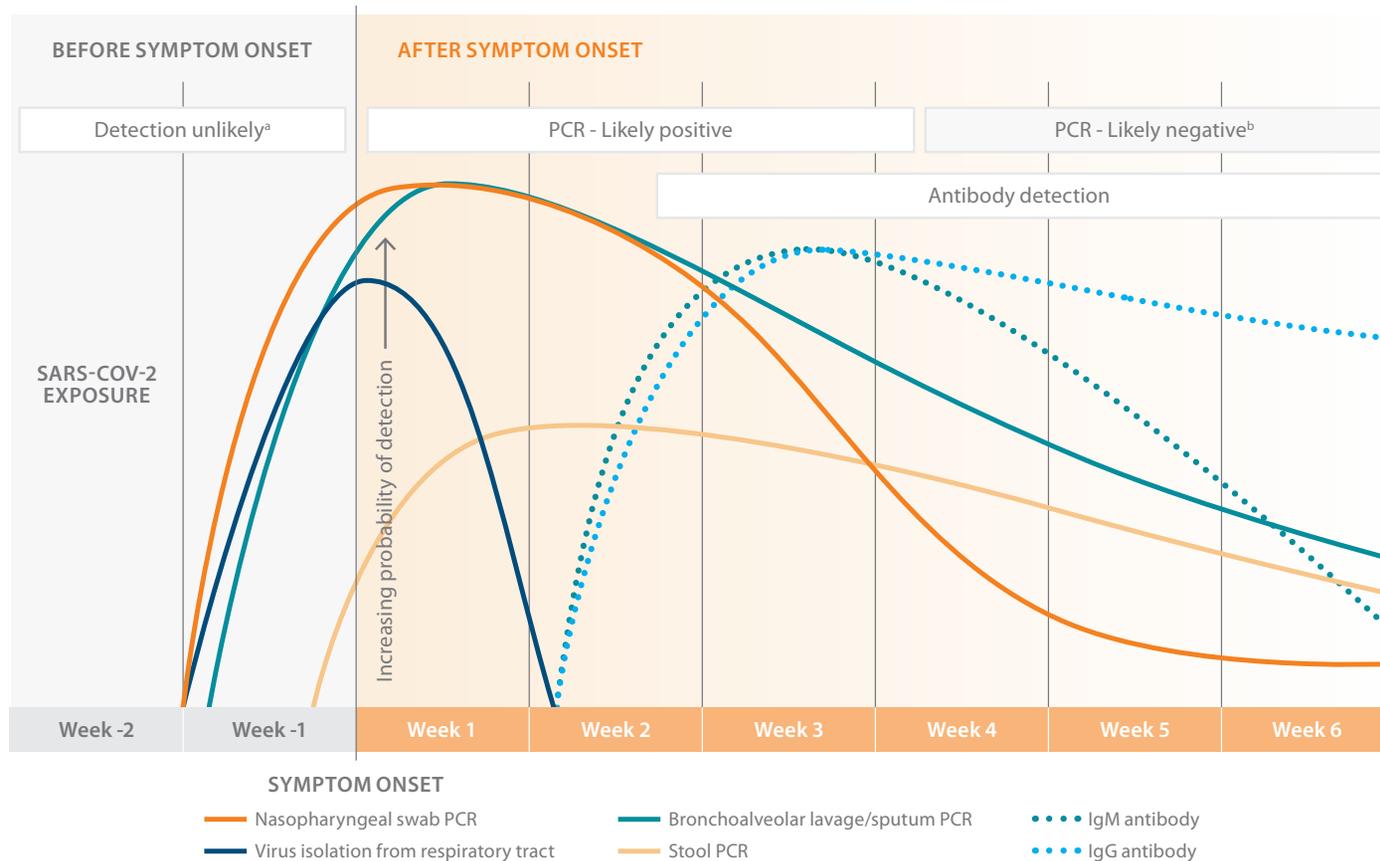

BEFORE SYMPTOM ONSET	AFTER SYMPTOM ONSET	
Detection unlikely[a]	PCR - Likely positive	PCR - Likely negative[b]
		Antibody detection

SARS-COV-2 EXPOSURE

Increasing probability of detection

| Week -2 | Week -1 | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 |

SYMPTOM ONSET

- — Nasopharyngeal swab PCR
- — Virus isolation from respiratory tract
- — Bronchoalveolar lavage/sputum PCR
- — Stool PCR
- ···· IgM antibody
- ···· IgG antibody

Chart source: https://jamanetwork.com/journals/jama/fullarticle/2765837

a. Detection only occurs if patients are followed up proactively from the time of exposure.
b. More likely to register a negative than a positive result by PCR of a nasopharyngeal swab.

AVELLINOCoV2 COVID-19 TEST

HELPING TO KEEP ESSENTIAL WORKERS SAFE.

Best practices are emerging for highly accurate RT-PCR COVID-19 testing and Avellino has been at the forefront of that development in skilled nursing facilities, medical practices, and critical industries. The most recent testing recommendations are shown here, based on industry segment.

INDUSTRY	BASELINE TESTING	RETEST PREFERENCE	RETEST INTERVALS
Skilled Nursing Facility (SNF)	**YES** All residents and staff	Routine, or with symptoms	25% of staff per week, entire staff monthly; If positive, every 3-7 days until a negative result is confirmed
Meatpacking	**YES**	If tested positive or with symptoms	If positive, every 3-7 days until a negative result is confirmed
Warehouse	**YES**	If tested positive or with symptoms	If positive, every 3-7 days until a negative result is confirmed
Medical Practices	**YES** All staff; All patients 2 days prior to surgical procedures	If exposed to COVID-positive patient; if tested positive or with symptoms	If positive, every 3-7 days until a negative result is confirmed

EASY TESTING MANAGEMENT IN ONE PLACE.

The Avellino Physician Portal makes managing every aspect of ordering and reporting—along with data entry and transcription—error-free, easy, fast, and straightforward for clinicians and patients, businesses and employees, schools and colleges.

Fast track information for physicians

- Ordering
- Tracking
- Results
- Reporting
- Clinical support
- Finances
- Supplies

Fast track results for patients

- Test tracking
- Results reporting

Get started with your Avellino Physician Portal by contacting info@Avellino.com

ACTING TO KEEP YOU AND YOUR COMMUNITY SAFE.

Now that the world is moving into the Coronavirus recovery phase, Avellino is acting to help medical providers, schools, governments, and industry get back to work in a safe way. One key to that safety is frequent, highly accurate, and fast COVID-19 testing. Avellino is acting to make workplace and patient care safety a reality for everyone. That's why we created Avellino ACTS Safety Program to provide testing and communication tools to help you keep the people you are responsible for safe and confident that your organization is committed to safety.

A

Actively
work to protect
the safety of your
team members and
your customers.

C

Comprehensively
address COVID-19
protection including
personal hygiene and
facility cleanliness.

T

Test
your team members with
proven COVID-19 tests that
detect active carriers—with
and without symptoms.

S

Serve
your company and
your community by
leading in COVID-19
testing and safety.

To learn more about the Avellino ACTS Safety Program, call or click:
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AVELLINO ACTS PROGRAM
Active Coronavirus Testing & Safety

AVELLINO *PrecisionPlus* Partnership™

BEST-IN-CLASS SERVICE—FOR HELP WHEN YOU NEED IT.

Long-term care facilities, governments, schools, businesses, and clinicians need the highest level of infectious disease testing quality and need complete operational and implementation support for their long-term success.

That's why we created the Avellino *PrecisionPlus* Partnership™ to help provide the highest quality service in the best way possible for you and your organization.

Market-leading turn-around time

Cash flow optimization

Billing assistance

Ordering supplies

Seamless implementation

The Avellino *PrecisionPlus* Partnership team is ready and available to assist you and your staff with dedicated support.

To speak with a specialist call +1 (650) 396-3741, or email us at ClientService@Avellino.com or info@Avellino.com.

AVELLINOCoV2 RT-PCR TESTS
FREQUENTLY ASKED QUESTIONS

Q **What is the difference between the AvellinoCoV2 (SARS-CoV-2/COVID-19) and AvellinoCoV2-Respiratory tests?**

The AvellinoCoV2 test precisely and accurately identifies COVID-19, even without symptoms. AvellinoCoV2-Respiratory precisely and accurately detects SARS-CoV-2/COVID-19, plus SARS-like viruses and Influenza A, Influenza B, and Influenza C—particularly helpful for symptomatic patients.

Q **What is the difference between the AvellinoCoV2-SiNGLE and AvellinoCoV2-DuO collection kits?**

AvellinoCoV2-SiNGLE provides a mid-turbinate swab for nasal cell sample collection, while AvellinoCoV2-DuO provides a saliva cup for sample collection (plus one swab backup). Please note that AvellinoCoV2-Respiratory can only be collected by swab.

Q **How do I know that the AvellinoCoV2 Coronavirus and AvellinoCoV2-Respiratory tests have the same accuracy?**

Both assays operate on the same proprietary RT-PCR platform to provide precise and fast virus identification.

Q **What is the turnaround time for the AvellinoCoV2 tests?**

Avellino endeavors to return all test results as fast as possible, and most are returned within 24–48 hours. Avellino has been ranked number one by the State of California for test turnaround time with most results delivered within 24 hours to physicians and patients. This is 48 hours faster than the national average.

Q **How does the Avellino *PrecisionPlus* Partnership™ work?**

Avellino has a designated client services team who will work closely with you to customize a plan to meet the unique needs of your organization and to answer any questions you may have.

Q **How do I get access to the Avellino Physician Portal?**

Establish your account by emailing info@Avellino.com.

Q **How much do the AvellinoCoV2 tests cost?**

The Avellino SARS-CoV-2/COVID-19 test costs $200 and the AvellinoCoV2-Respiratory test costs $300.

Q **Who bills and collects for the tests?**

Avellino offers billing solutions, including direct facility billing and billing for uninsured patients. Our reimbursement and billing specialists will consult with you to address any billing questions.

Q **Does Avellino report to State Agencies?**

Yes, we report all testing results to State and County Health Departments, as required.

AVELLINOCoV2 RT-PCR TESTS

HIGH PERFORMANCE AND CONFIDENCE FOR YOUR FACILITY.

Help keep your staff and patients safe with the clinically proven **AvellinoCoV2** RT-PCR multi-virus tests—
using the test and collection method that's right for your staff and your broad patient population.

AvellinoCoV2 **RESPIRATORY AvellinoCoV2**

Order your AvellinoCoV2 test and collection kits today.
+1 (650) 396-3741 • info@Avellino.com

About Avellino

Avellino Lab USA, Inc. is a global leader in gene therapy and molecular diagnostics and is at the forefront of precision medicine for eye care. The company is pioneering CRISPR gene editing to manage and potentially cure inherited diseases. With expertise in PCR since 2012, Avellino quickly adapted its technology in January 2020 to develop the AvellinoCoV2 test to identify gene markers of SARS-CoV-2. As of March 2020, Avellino is a CLIA-validated molecular lab with FDA authorization under EUA 200006.

Beyond the AvellinoCoV2 test, Avellino recently launched AvaGen, the world's first DNA test to confirm the presence of genetic indicators that are positively associated with corneal dystrophies and keratoconus genetic risk factors, and will soon launch an infectious disease panel of diagnostic tests. Avellino is headquartered in Silicon Valley, California, with operations in Korea, Japan, China, and the UK.

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