



COVID-19 Surveillance Testing

Protect classrooms, workplaces, and other facilities



Routine Coronavirus surveillance gives you early warning of infection so you can take prompt action to stop the spread.

- Two-hour, on-site results enable same-day detection of infection
- Highly sensitive PCR detects COVID during the earliest stages of infection
- Saliva-based testing is fast, comfortable, and minimally disruptive to day-to-day operations
- Test 70 people per run by pooling samples

What is Surveillance Testing?

Surveillance testing detects and monitors for infection in groups to inform health management decisions at the population level. Results serve as an early warning of infection and enable businesses to continue essential operations as safely as possible.

Testing can be performed outside a CLIA laboratory as long as individual results are not returned to the tested population.

Surveillance testing can be used to:

- Identify asymptomatic/presymptomatic infections early
- Stop group interactions and refer individuals for diagnostic testing when infection is detected
- Boost employees' confidence in the safety of their working environment

Accuracy Without Compromise

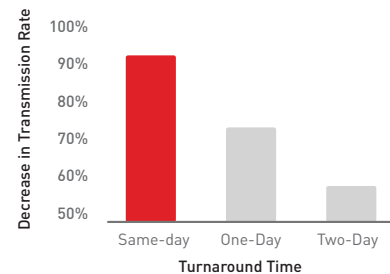
Rapid antigen tests compromise accuracy for speed, missing 1 out of 5 active COVID infections.

In contrast, Chai's surveillance solution uses RT-qPCR technology which is the most sensitive COVID detection method according to the CDC and the same used in diagnostic testing. By making exponential copies an identifiable region of the virus's genetic material, RT-qPCR can detect minute amounts of viral particles, early in an infection when viral loads are low.

On-Site Results in Hours, Not Days

Get results in two hours instead of waiting days for results to be processed in an off-site laboratory. Same-day results help you detect an infection before symptoms appear, allowing you to take rapid action to prevent an outbreak.

Researchers found that same-day results led to a 90% decrease in viral transmission. Time spent waiting for results led to asymptomatic individuals unknowingly spreading the virus.



Minimally-Invasive Saliva Testing

Saliva is the perfect specimen for routine surveillance and is shown to be as sensitive as nasopharyngeal swabs for viral detection:

- **Comfortable:** Minimally-invasive sampling is a staff-friendly solution
- **Cost-Effective:** Does not require training dedicated healthcare workers or locating expensive collection equipment and reagents in short supply.
- **Safe:** Can be reliably self-collected, reducing risk of disease transmission to healthcare workers.



How it Works

Simple workflow can be run by those with little to no science background
Test up to 70 people in one run.



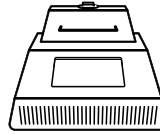
Saliva Collection

Saliva is self-collected into individual tubes



Pool

Pool up to 5 samples per test and prepare reactions



Test

Run samples in the Open qPCR instrument



Get Results

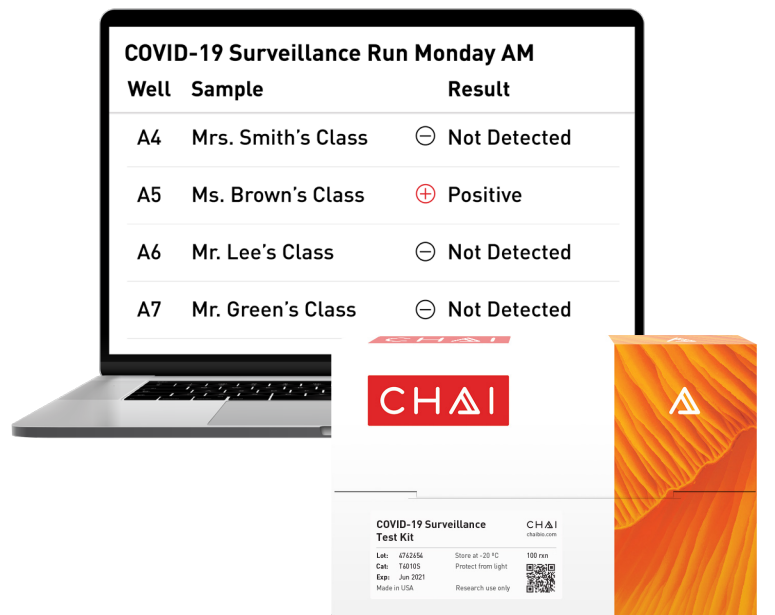
Get clear results in an hour

Robust, Sensitive Reactions

Test kits detect an infection with as little as 5.8 viral copies/ μ L. Positive, negative, and endogenous controls verify test results, while a UNG carry-over prevention system prevents false positives.

Clear, Actionable Results

The Open qPCR's software automates test execution and result analysis. Results are easy to read, no matter your technical background.



Also Available

Coronavirus Environmental Surface Test Kit

The Coronavirus Environmental Surface Test Kit detects COVID on high-touch surfaces and uses the same technology as our surveillance testing solution. The test kit can be run on the dual-channel Open qPCR and used to validate sanitation efforts. It is a complementary testing solution where obtaining samples from everyone is not practical.



The COVID-19 Surveillance Quick Start Bundle

Includes everything you need to begin testing for Coronavirus today



- Open qPCR instrument, dual channel
- COVID-19 Surveillance Test Kit for 100 tests
- Enzymatic DNA/RNA Extraction Buffer 10X
- Saliva collection tubes

Also Includes

- Mini centrifuge
- Mini dry bath
- 10 μ L, 100 μ L, and 1000 μ L pipettes
- Pipette tips
- PCR tube & cap strips
- 1.5 mL tubes

Technical Specifications

Limit of Detection	5.8 viral copies/ μ L	Inclusivity	SARS-CoV-2
Specimen Type	Saliva, unpreserved	Detection Channels	FAM, HEX
Saliva Specimen Storage Conditions	Up to 16 hours at room temperature Up to 72 hours at 4 °C	Endogenous Control	<i>RPLP0</i>
Reagent Storage Conditions	-20 °C	Positive Control	Human RPLP0 and SARS-CoV-2 N gene fragments
		UNG Carry-over Prevention	Included

Ordering Information

Quick Start Bundles

B2011S	COVID-19 Surveillance Quick Start Bundle - 120V
B2012S	COVID-19 Surveillance Quick Start Bundle - 240V

Instruments

E013201	Open qPCR, Dual Channel	1 unit
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Test Kits

B2001S	COVID-19 Surveillance Test Kit	100 reactions
T1401M	COVID-19 Surveillance Test Kit	1,000 reactions

Hardware Protection Plans

M20112	2-Year Service Plan; Open qPCR Dual Channel
M20113	3-Year Service Plan; Open qPCR Dual Channel
M20115	5-Year Service Plan; Open qPCR Dual Channel

Reagents and Supplies

R05221S	Enzymatic DNA/RNA Extraction Buffer 10X	1 x 5 mL
R05221M	Enzymatic DNA/RNA Extraction Buffer 10X	5 x 5 mL
S02132B	PCR Tube & Cap Strips, 8-Well Strips, 0.1 mL	1 box

Order online at www.chaibio.com or
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