It's time to get back to school

DNAgenotek®

Oral sampling for COVID-19 screening and surveillance can help schools confidently reopen and return to in-person learning.

Why regular COVID-19 testing is needed to return to in-person learning[1]

Reduce outbreaks and closures
Enable more uninterrupted in-person learning.

Increase confidence among families and staff
Help assure concerned families and staff of increased safety of in-person learning.

Reduce community spread
Ensure all communities (rural and urban) have access to testing to reduce community transmission.

Type of testing[2]

Antigen tests
Less accurate than molecular tests but return results in minutes and can be used on-site.

Recommended workflow

Molecular tests (e.g., RT-PCR)
Highly accurate but are mostly done in a lab and take 24-48 hours to return results.

Individual PCR
Testing each donor's sample separately. Can be expensive.

Pooled PCR
Combining multiple samples for testing. Cost-effective for regular testing.

Pooled on-site
Samples are pooled at the point of collection and tested as one.

→ **Positive pool**
Follow-up collection and testing required.

Pooled in-lab
Samples are pooled in the lab using part of each sample.

→ **Positive pool**
Follow-up collection **NOT** required. Testing can be done on remaining sample.

Saliva as a sample type for COVID-19 diagnosis

- Accurate detection of COVID-19 early in the infection[3]
- Self-collection with little to no supervision
- Single patient sample allows for pooled PCR and follow-up testing if pool result is positive
- Painless and non-invasive collection

[4,5]

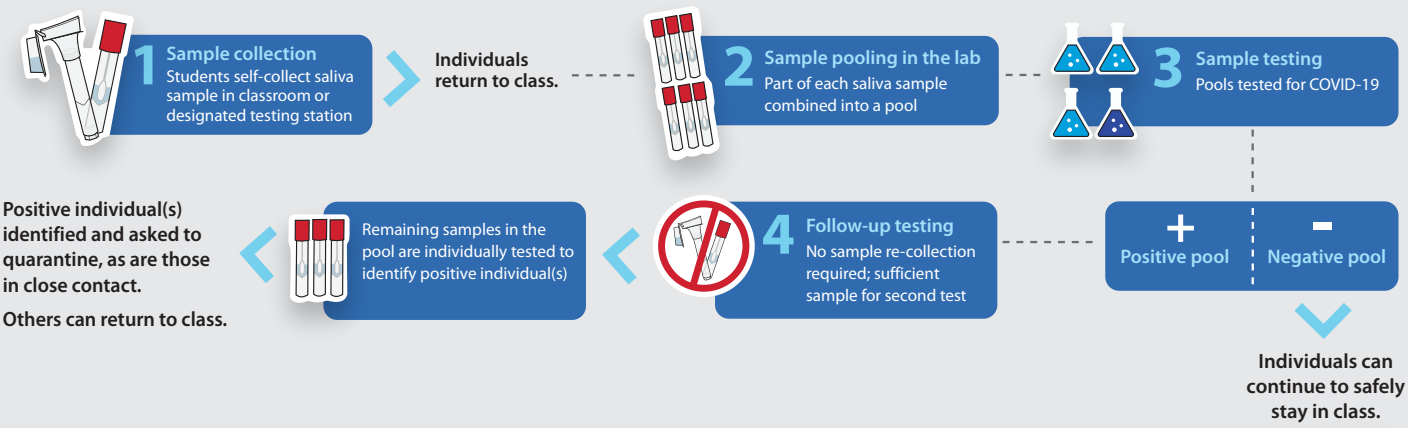
Sample type	Self-collection	Non-invasive	Comfortable	Unsupervised
Saliva	Yes	Yes	Yes	Yes
Nasopharyngeal	No	No	No	No
Anterior nasal	Yes	Somewhat	Somewhat	Sometimes*

* Can be used unsupervised by adults for home collection but not by schoolchildren

How can saliva testing in schools be implemented through sample pooling?[6]

Sample pooling involves mixing several samples from different individuals together in a "pool" and then testing the pooled sample with a diagnostic test in a lab. Pooling is either done on-site or in-lab.

In-lab pooling using saliva samples reduces the risk of contamination and eliminates follow-up collection if pool tests are positive.



Saliva solutions make testing easy[7]

These saliva collection devices are authorized for use under Emergency Use Authorization (EUA) to collect, stabilize and transport saliva specimens for COVID-19 testing.

OMNIgene·ORAL

Catalog number: OME-505

ORAcollect·RNA

Catalog number: ORE-100

For the collection of saliva specimens suspected of containing SARS-CoV-2 RNA.

Benefits of the saliva collection devices

Easy
Painless self-collection

Safe
Non-toxic chemistry
Inactivation of SARS-CoV-2

Cost-effective
Ideal for pooled testing
Ambient temperature storage and transportation

Interested in saliva collection devices?

Contact us at **info@dnagenotek.com** or your lab for more information.

1 Chiefs for Change. COVID-19 Testing in K-12 settings: "Day in the life of" (DILO) case study examples
2 The Rockefeller Foundation. COVID-19 Testing in K-12 settings: A Playbook for Educators and Leaders
3 Johnson AJ, et al. Saliva testing is accurate for early-stage and presymptomatic COVID-19. medRxiv 2021.03.03.21252830; doi: https://doi.org/10.1101/2021.03.03.21252830
4 Centers for Disease Control. Interim guidelines for collecting and handling of clinical specimens for COVID-19 testing
5 OASH. SARS-CoV-2 (COVID-19) fact sheet: Nasal (anterior nasal) specimen collection for SARS-CoV-2 diagnostic testing
6 COVID-19 Educational Testing. Getting started: In-lab pooled testing. https://covidedtesting.com/getting-started-with-inlab-pooled-testing
7 DNA Genotek. DNA Genotek's collection devices for COVID-19 testing. https://dnagenotek.com/US/products/collection-infectious-disease/covid-19-collection-kits/index.html

CE IVD

For IVD, Rx and For Use Under Emergency Use Authorization.

Superior samples • *Proven performance*

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