

Accurate Inexpensive Covid-19 Testing for Low Resource Settings



Corona Detective is a method for testing for Covid-19 that was developed by a consortium of international scientists as part of an open science research program. It has the following features:

- **Versatile.** It can be run as a screening test in simple community labs or as a diagnostic test in laboratory environments, without needing expensive equipment.
- **Accurate.** Its limit of detection is 20 copies of virus in a reaction (about 1000x more sensitive than antigenic quick tests) without false positives.
- **Inexpensive.** \$3-\$4 a test, less than \$1000 of lab equipment.
- **Fast and Scalable.** Simple labs can readily conduct up to 100 tests per hour.
- **No cold chain dependence.** Freeze-dried reactants can be readily shipped anywhere.
- **Potential for local production.** Open protocols are available, for [production](#) and [use](#), so anyone can make and use Corona Detective! ('Home-brew' enzymes are an additional way to reduce costs greatly.)

Help us get Corona Detective to communities in need.

We are looking for partner NGO's, labs and other entities within international communities that understand local needs, can do on the ground testing and/or help navigate regulatory hurdles.

Although we have some funding to support initial pilot projects, we are always looking for more, simply to subsidize the price of the tests.

If interested, please contact Rachel Aronoff at biolab@hackuarium.ch

For more information, consult the following links:

- The value of [testing to help control the spread](#) of Covid-19 and end the pandemic
- Corona Detective: [the science](#)
- This project was supported by Just One Giant Lab (JOGL) and developed without a profit motive in mind. [Find out more.](#)