SEP 03, 2020

🌐 SUPER rapid kit

Hyeon Jin Kim¹, Seong T. Hong²

¹SNJ Pharma Inc; ²Jeonbuk National University

Coronavirus Method Development Community

XPRIIZE Rapid Covid Testing

Hyeon Kim

ABSTRACT

We developed a supersensitive capillary reaction kit intended for the direct and qualitative detection of SARS-CoV-2 virus in saliva and nasal swabs. It enables sensitive and specific detection of the SARS-CoV-2 spike antigens in respiratory specimens more accurately than most PCR method within 5 minutes. Our rapid capillary kit will help not only fight but also end COVID-19 by providing the first sensitive self-diagnosis at home as well as POC clinical diagnosis at the health care facilities.

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.bkqvkvw6

Protocol Citation: Hyeon Jin Kim, Seong T. Hong 2020. SUPER rapid kit. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.bkqvkvw6>

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working
 We use this protocol and it's working

Created: Sep 03, 2020

Last Modified: Sep 03, 2020

PROTOCOL integer ID:
 41461

- 1 Prepare the specimen by collecting saliva, sputum, or nasal swab for testing
- 2 Dispense 2~5 drops of the specimen into the sampling tube (provided) filled with a general transfer

pipette

- 2.1** To prepare a specimen solution with a nasal swab, insert the testing swab into the sampling tube, roll along the side of the tube 5 times, and discard the used swab to biohazard waste.
- 3** Mix the content by pipetting up & down gently
- 4** Dispense 5 drops of mixed samples into the sample well of the cassette (provided).
- 5** Observe the appearance of the blue line for 1 min and record the result.