

Resource Summary Report

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Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) RdRp nested RT-PCR

DOI:10.17504/protocols.io.bdcpi2vn

Type: Protocol

Proper Citation

Judy Northill, Ian Mackay 2020. Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) RdRp nested RT-PCR. protocols.io dx.doi.org/10.17504/protocols.io.bdcpi2vn

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.bdcpi2vn>

Authors: Judy Northill, Ian Mackay

Group: Public Health Virology, Forensic and Scientific Services, Coronavirus Method Development Community

Summary: A nested RT-PCR targeting the RdRp region of the sub-genus Sarbecovirus. The primers are modified from the pan-coronavirus RT-PCR published by Hu et al. 2017 to be more specific to SARS-CoV-2. Assay may be used in resource poor settings where real-time cyclers are not available. Sanger sequencing can be used to confirm SARS-CoV-2 where WGS is not available or where WGS fails due to poor quality sample.

Affiliations: Public Health Virology, Forensic and Scientific Services, Public Health Virology, Forensic and Scientific Services

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