



CPS Clinical Pathology Services

Name

Molecular Biology

Test Result Methodology

COVID-19 by RT-PCR

Not Detected (Negative)

Multiplex Real Time PCR

Specimen: Nasopharyngeal swab / Oropharyngeal Swab / Saliva

Interpretation of the result:-

- ** Detected: DETECTED indicates that SARS-CoV-2 RNA is present in this specimen. Results should be interpreted in the context of all available lab and clinical findings
- ** Not Detected: If the result is NOT DETECTED, that means the sample is negative for SARS-CoV-2/Covid-19.
- ** Presumptive positive: Only one of the multiple genes is detected or a low viral load is possible, this indicates that you may have the virus. Please repeat the test in 72-96 hours for confirmation.
- A false negative result with clinical symptoms may be caused by unsuitable collection, handling, or storage of samples. It may also be caused by a sample outside of the viremic phase, or by the presence of PCR inhibitors in the specimen. We recommend repeating the test on a fresh sample if symptoms are present

Limitations of the test:

- 1. This assay has been validated for use with an oropharyngeal swab and nasopharyngeal swab samples only.
- 2. This assay only detects ORF1AB and N gene.
- 3. If the virus mutates in the rRT-PCR target region, 2019-nCoV may not be detected or may be detected less predictably. Inhibitors or other types of interference may produce a false negative result.
- 4. This test cannot rule out diseases caused by other bacterial or viral pathogens
- 5. As all diagnostic tests, a definitive clinical diagnosis should not be based on the result of a single test but should only be made after all clinical and laboratory findings have been evaluated. Collection of multiple specimens from the same patient may be necessary to detect the virus.

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End of Report





Final Report

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