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Laboratory Report

Patient Name : Haneen Mahgoub Mubarak Mahgoub

Emirates ID : 784-2007-1931837-8 IDCL No : 483957

Referal Clinic ID : OCIH008441 Gender/DOB : Female/20-12-2007
Referal Clinic : OCCUMED CLINIC Sample Collected : 18/11/2021 18:45
Referred by : SELF Sample Received : 19/11/2021 03:19
Company : Corporate- (OccuMed Clinic) Sample Reported : 19/11/2021 06:21

Test Name Result Units Biological Ref Interval

Department of MOLECULAR BIOLOGY

COVID - 19 RT-PCR (Nasopharynx) Negative

Methodology: RNA Detection

Comments

Comment: Negative or not detected' PCR results indicates that the viral RNA is either not present in the specimen or is present a concentration below the assay's limit or is present but was not detected due to the PCR inhibitors. PCR result should not be the sole basis for the diagnosis of infection. Results should be interpreted in the context of all available laboratory and clinical studies.

- 1. A single negative result especially from an upper specimen does not exclude infection suggest repeat testing after 24-48 hours if clinically indicated.
- 2. Repeat sampling and testing of lower respiratory specimen is recommended is case of severe or progressive disease.
- 3. A positive result does not necessarily exclude bacterial or viral co-infection a positive result may be confirmed with a repeat test after 24 hours to rule out possibility of picking up a remnant of non-viable virus.

False-negative result can arise from (1) poor sample collection or degradation of the viral RNA during shipping or storage; (2) low titer of virus shed in specimens collected early in illness which may make it difficult to confirm a diagnosis; (3) the presence of RT-PCR inhibitors may cause false negative result; (4) potential mutation within the target regions of the virus genome covered by the primer and /or probes of the test may result in failure to detect the presence of the pathogen.

False positive result can arise from (1) cross contamination that can occur between specimen during collection and shipping (2) the PCR technique detects the viral nucleic acid not exactly the actual live virus hence remnants of a past infection with no-viable virus may lead to the test becoming positive without actual virus replicating.

*** End of Report ***

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