SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

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REPORT

| | | | |
|---|---|---|---|
| **CID** | : 2213217189 | | |
| **Name** | : MS.SPRAHA MAHENDRA SINGH S9628778 | | |
| **Age / Gender** | : 24 Years / Female | | |
| **Consulting Dr.** | : - | **Collected** | : 24-June-2022/11:25 |
| **Reg. Location** | : Kurla W, Kohinoor Diagnostics Center | **Reported** | : 25-June-2022/10:05 |

## Real time Qualitative RT-PCR detection of 2019-nCOV RNA / COVID-19 RNA

| PARAMETER | RESULT |
|---|---|
| SARS-CoV-2 | SARS-CoV-2 : Not Detected (Negative) |

Kit description-E gene as screening and ORF1ab/RdRp or N gene as target gene,Cutoff:<35

**ICMR Registration No: Andheri-Mumbai-**SUBUR001**,Pune-**SUDIIPLPMH

**Specimen :** Nasopharyngeal & Oropharyngeal swab in VTM **Method:**Real time RT-PCR

**Note:**

* Ct Value indicates the infectivity and not the severity of infection.
* ICMR Recommended kits are used for reporting. All the positive cases will be notified to ICMR for further surveillance.
* Clinical correlation with patient history, radiology findings and co-infection with other viruse infections is necessary to be determined especially in cases with Border line positive Ct Values Borderline Positive cases (Ct value>30) may be give variable results on repeat testing. The possible reasons could be the variations in kit and instruments used.

**Limitations:**

* Optimum Specimen types and timing of peak viral levels during infections caused by 2019-nCOV have not been determined. Collection of multiple specimens (Types & Time Points) may be necessary in view of suspected clinical history. The repeat specimen may be considred aftee a gap of 2-4 days after the collection of first specimen for additional testing if required(other respiratory pathogens)
* Negative results do not preclude SARS-CoV-2 infection and should not be used as the sole basic for patient management decisions.
* This test is qualitative assay and does not qaulify viral load.Various host factors, Viral factors,Variability in the sample collection /site and techniques used by laboratory can effect the ct values. Therefore, Ct values are not an absolute indication of viral load and should be interpreted with caution.

**Factors leading to false nagetive RT-PCR report:**

* Inadeqaute specimen collection, poor qaulity of sample and non-representative sample.
* Technical reasons- PCR inhibitor, analytical sensitivity of kit used.
* Active recombination &/mutations in target gened used for detection of SARS-CoV-2 virus

**References:**


1.Diagnostic detection of 2019-n-CoV by real-time RT-PCR, Berlin Jan 17th, 2020.
2.Labcorp COVID-19 RT-PCR test EUA Summary/ COVID 19 RT-PCR test (Laboratory corporation of America)


* Sample processed at Molecular Diagnostics Laboratory, CPL, Andheri West

*** End Of Report ***

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