



DEVI SCANS PVT. LTD.

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Reg. No	TM21566106	Reg.Date	13-09-2021 12:02 PM
Name	RESMI CHANDRAN G (G 1332078)	Gender & Age	Female, 39 Years
Ref. Doctor		Passport number	
Specimen	Nasopharyngeal Swab / Oropharyngeal swab	Exit Date & Time	13-09-2021 02:42 PM

MOLECULAR BIOLOGY

SARS-CoV-2 (COVID 19) Detection by Real Time PCR (RTPCR) – Qualitative

TEST	RESULT
SARS-COV-2 (Method: Truenat - Real Time PCR)	NOT DETECTED

ICMR (Indian Council of Medical Research) Registration No. : DEVIPVTLTDTHK

Result: Inconclusive: This could be due to low viral load in the sample. A repeat sample is recommended for confirmation after 48 to 72 hours

Technology: Truenat tests works on principle of Real Time Reverse Transcription Polymerase Chain Reaction (real time RTPCR). It involves the specific amplification of target region. This analysis is done on Truelab real time PCR by using the sensitive and specific Taqman assay method. Amplified products are indicated by threshold cycle (Ct) in amplification curve.

Pathogen Information: Viruses belonging to the family of beta corona virus (Sarbeco) is the causative agent for SARS (Severe Acute Respiratory Syndrome) and COVID-19. Truenat Beta CoV is first line screening test & detects both SARS and Covid-19 causative viruses. Truenat SARS CoV-2 confirms covid-19, if screening test is detected.

Analytical Sensitivity: The test results were found to 100% concordant with the results of the Gold standard (Real Time PCR used at State level VRDL , BMCRI, Bengaluru). The clinical sensitivity, Clinical specificity and overall concordance were determined to be 100%. The POC test here with recommended for Screening & Confirmation of SARC COV 2 Cases as per ICMR Recommendation.

The Performance of this test is been Validated and Evaluated by Indian Council of Medical Research (ICMR) & has been recommended by ICMR for Screening & Confirmation of COVID-19.

Target Selection: The target sequence used for Truenat Beta CoV is *E gene* of Sarbeco virus, and that for Truenat SARS CoV-2 is RdRp gene. Human *RNase P* gene serves as a full process internal control (IPC) for proper swab collection, nucleic acid extraction and PCR in both tests.

Note:
- Assay result should not be interpreted only in the context of other laboratory findings and the total clinical status of patient.
- This report is for the perusal of doctor only. Not for medico legal cases. Clinical correlation is essential. Please contact us in case of unexpected result.
- The results relate only to the specimens tested and should be correlated with clinical findings.

Entered By

ANUSHA S

MSc , MICROBIOLOGIST



Authorized By

Dr.Asha Latha V Nair

MD.Microbiology

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This is a verified and approved computer generated report. It's valid even without signature.