



**Dr. R.S. Verma**  
MD, FIAMS

**Dr. Samir Singh**  
MBBS, DPM, FCP (Pathology) Bombay

Patient Name : **MRS RUCHI JAIN**  
Age & Sex : 28 Years / Female  
Registration No. : 0008645  
Sample & Vial ID :  
Referred By : Dr On request

Registration Date : 17/07/2021 08:26 pm  
Sample Coll. Date : 17/07/2021 08:27 pm  
Report Date : 18/07/2021 08:56 am  
Print Date : 18/07/2021 09:08 am  
Center : modern pathology lab

## MICROBIOLOGY

### RTPCRFOR SARS-COV- 2

Specimen Type : NASO-PHARYNX/OROPHARNGEAL SWAB  
Srf Id : 2339600839775  
Lab Id : 0008645  
Results : Not Detected  
**Target Genes**  
N-Gene : Not Detected  
E-Gene : Not Detected  
Rdrp Gene : Not Detected  
Rpph1(Ic) : 28.62

**INTERPRETATION** Real-time polymerase chain reaction also quantitative polymerase chain reaction (qPCR) or kinetic polymerase chain reaction is a laboratory technique based on principle of PCR. This technique is used to amplify a targeted DNA sequence by use of hydrolysis probes that are short oligonucleotides that have a fluorescent reporter dye to the 5' end and a quencher dye to the 3' end. The test is designed to detect the nucleoprotein (N) gene and RNA dependent RNA polymerase (rdrp) gene specific for SARS-Cov-2 in FAM and cy5 channels with detection of envelope (E) gene specific for sarbecovirus in Texas Red channel. The RPPH1 gene serves as an internal control.

N-GENE	E-GENE	RDRP GENE	RPPH1	INTERPRETATION
+	+	+	(+) OR (-)	SARS-COV-2 POSITIVE
+	+	+	(+) OR (-)	SARS-COV-2 POSITIVE
+	+	+	(+) OR (-)	SARS-COV-2 POSITIVE
+	+	+	(+) OR (-)	SARS-COV-2 POSITIVE

CT VALUE	RESULT
< 35	DETECTED(+)
> 35 OR NA	NOT DETECTED (-)

NOTE: - POSITIVE RESULTS ARE INDICATIVE OF PRESENCE OF SARS -COV-2 RNA. HOWEVER, CLINICAL CORRELATION ALONG WITH PATIENT HISTORY IS NECESSARY TO DETERMINE PATIENT INFECTION STATUS. POSITIVE RESULTS ALSO DO NOT RULE OUT BACTERIAL INFECTION OR CO-INFECTION WITH OTHER VIRUSES.

- NEGATIVE RESULTS MUST BE COMBINED WITH CLINICAL OBSERVATION AND PATIENT HISTORY. NEGATIVE RESULTS DO NOT EXCLUDE SARS -COV-2 INFECTION AND SHOULD NOT BE USED AS THE SOLE BASIS FOR PATIENT MANAGEMENT.

NOTE : All investigations have their limitations, which are imposed by the limits of sensitivity & specificity of individual test methods as well as the sample received in the laboratory. Isolated laboratory investigations never confirm the final diagnosis of the disease. They only help in arriving at a diagnosis in clinical correlation & other supportive investigations.

THIS REPORT AUTHORISED BY

DR. Samir Singh

**Home Collection Call**  
Mobile No : 9111444918

Pathologist



Ph : 0755 -2542077 / 4944547 • 13/14, Zeeshan Complex, Imam Gate Chouraha, Bhopal - 462 001 (M.P.)

Time : 8.30 am to 7.00 pm (SUNDAY 8.30 am to 1.30 pm)



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