

**RELIABLE DIAGNOSTIC CENTER PVT. LTD.****[Central Referral Clinical Laboratory]**

C-314 A, Hari Marg, Near Kardhani Shopping Centre, Malviya Nagar, Jaipur-302 015

Phone : 0141-2525819, 0141-2525818 ; Tele Fax : 0141-2520337



Name : Mr. ABHISHEK JAGNANI	Visit Date & Time : 27-10-2020 03:23PM	Ref. Doctor : Dr. --
Age : 22 Year(s) Sex : Male	Reg. No. : 111483952	Ref. Lab/Hsp. : Covid-General Debtors A/C
	LIS / LAB No. : 111483952 / 27851	
	Sample Accepted at : 27-10-2020 03:23PM	Test Authenticated at : 28-10-2020 05:38PM

MOLECULAR PATHOLOGY

Final Report



Investigations	Status	Result	Unit	Biological Reference Interval
Beta CoV & CoV-2 Viral RNA Qualitative Real Time PCR				
Specimen		Nasopharyngeal (NP) & Oropharyngeal Swab		
Instrument Used		True NAT QUATTRO/MOLBIO		
REPORT				
Beta coV Viral RNA PCR (E gene) Screening		Not Detected	Ct Value	
SARS CoV-2 Viral RNA PCR (RdRp gene) Confirmation		Not Detected		
SARS CoV-2 Ct Value		-		
[Methodology : Reverse Transcription Real Time PCR(TAQMAN) Assay with NA]				

INTERPRETATION:**Technology:**

TrueNat test 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 True lab real time PCR by using the sensitivity 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 SARAS(Severe Acute Respiratory syndrome)and COVID -19,Trunat Beta CoV is first line screening test & detects both SARAS and COVID-19 causative viruses.Truenat SARAS CoV-2 confirms COVID-19,if screening test is detected.

Analytical Sensitivity:

The test result were found to 100% concordant with results of the gold standard(Real time PCR used at state level VRDL,BMCRI, Bengaluru)The clinical sensitivity,clinicalspecificity and overall concordance were determined to be 100%. The POC test here with recommended for screening & Confirmation of SARAS CoV-2 cases as per ICMR recommendation. The performance of this test has been validated and evaluated by ICMR & has been recommended by ICMR for Screening & Confirmation of COVID -19.

Target Selection:

The target sequences for Truenat Beta CoV is E gene of Sarbeco virus , and that for Truenat SARAS 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.

Method: Real Time PCR.Ct value:Cycle Threshold

Note: Assay result should be interpreted only in the context of other laboratory findings and the total clinical status of patient.

*** End of Report ***

 Dr. G.N. Gupta M.D. Pathology (Chief Pathologist)	 Dr. Nidhi P. Chanchlani DNB Pathology (Pathologist)	 Dr. Abhinay Verma M.D. Pathology (Pathologist)	 Dr. Gopal Kashyap M.D. Microbiology (Microbiologist)	(Technologist)
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Abbreviations Meaning : H - High, L - Low, HH - Critically High, LL - Critically Low, @ - Repeat

The Test is done at RDCPL on collected sample(s) received. Please correlate with clinical findings & other related investigations. Subject to Jaipur Jurisdiction only.

The Parameter marked with an * are not accredited by NABL.