



QR Code for
report verification



Case ID : 2200140190	Sample Type : SERUM
Name : MRS. RAKHI DE PAUL (V8586414)	Date & Time Collected : 30-Oct-2022 12:00 AM
Sex/Age : Female/72 Years	Date & Time Received : 01-Nov-2022 04:37 PM
Bill. Loc. : Thyrocare labs, Mumbai	Date & Time Reported : 19-Nov-2022 04:05 PM
Ref. By : DR MO TMC	Report Version : 1
Indication :	

REPORT ON DNA ANALYSIS FOR HBV GENOTYPING BY PCR & SEQUENCING

Specimen Description: Sample quality is optimum for the test.

RESULTS

GENOTYPE IDENTIFIED

D genotype

Please Note : Although all precautions are taken during DNA tests the currently available data indicate that the technical error rate for all types of DNA analysis is approximately 2%. It is important that all clinicians or persons requesting DNA diagnostic tests are aware of these data before acting upon these results.

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REFERENCE LAB IN MOLECULAR GENETIC DISEASES

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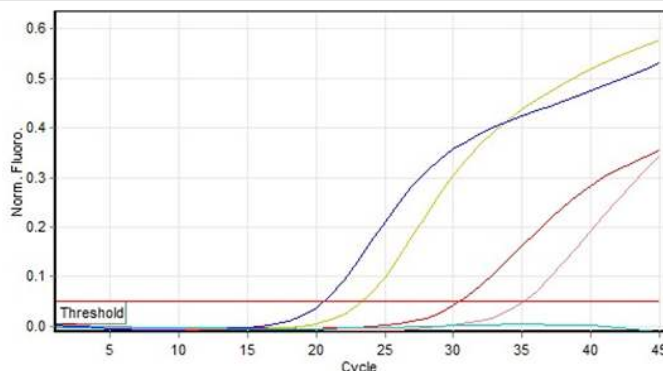
Sample Type : SERUM
Date & Time Collected : 30-Oct-2022 12:00 AM
Date & Time Received : 01-Nov-2022 04:37 PM
Date & Time Reported : 03-Nov-2022 06:25 PM
Report Version : 1

HEPATITIS B VIRUS QUANTITATIVE REPORT

Specimen Description: Sample quality is optimum for the test.

METHODOLOGY: Real time Polymerase Chain Reaction.

TEST	RESULT	DETECTION LIMIT
HBV Quantitative Real Time -PCR	5019 IU/ml plasma	32 IU/ml plasma



No.	Color Name	Type	Ct	Given Conc (copies/ul)	Calc Conc (IU/ml)
1	S1	Standard	30.48	10.00	9.26
2	S3	Standard	23.34	1,000.00	1,009.83
3	S4	Standard	20.56	10,000.00	10,012.88
8	40190	Unknown	35.21		15.11
12	RC	NTC			

REFERENCE:

Kindly note that as per the USFDA approved kit used for this assay:

- The lower limit of detection of this assay is 32 IU/mL
- The linear range of detection of this assay is 32 to 10^9 IU/mL
- An "Undetected" and "Less than detectable limits" result indicates that hepatitis B virus (HBV) DNA was not detected in the specimen.

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Indication	:		

- A quantitative result expressed in IU/mL indicates the degree of active HBV viral replication in the patient. Monitoring HBV DNA levels over time is important for assessing disease progression or monitoring a patient's response to anti-HBV therapy.
- A "Detected" result with the comment, "HBV DNA level is $>10^9$ IU/mL", indicates that the HBV DNA level is above the upper limit of quantification for this assay.
- An "Undetected" HBV DNA test result in conjunction with a positive anti-HBV antibody status does not exclude the possibility of a resolved HBV infection. When clinically indicated, patients should be retested for HBV DNA in 4 to 8 weeks, to distinguish between past/resolved HBV infection and chronic HBV infection with episodic viral replication."

CLINICAL BACKGROUND:

Severity of disease arising because of Hepatitis B viral infection is directly associated with progress of the viral load in the body. Hepatitis B viral DNA monitoring is therefore required to decide on the need for specific therapy as well as the response and outcome of such a therapy in the patient. 1 IU/ml of HBV DNA is approximately 5.82 copies/ml.

----- End Of Report -----

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