

Patient NAME :
 DOB/Age/Gender :
 Patient ID / UHID :
 Referred BY :
 Sample Collected :

Report STATUS :
 Barcode NO :
 Sample Type :
 Report Date :



Hepatitis C (HCV) Viral Load By RT PCR

Test Name	Result	Unit	BRI	Method
Hepatitis C (HCV) Viral Load	31253	IU/mL	Refer Table	RTPCR
Log Value	4.4			

Interpretation:

Results	Comments
Target Not Detected	HCV RNA Not Detected
Below Linear Range	HCV RNA Detected, less than 11.7 IU/mL
11.7 IU/mL - 21,80,00,000 IU/mL	HCV RNA Detected within the linear range of the assay
>21,80,00,000 IU/mL	HCV RNA Detected above the linear range of the assay

RTPCR- Real Time Polymerase Chain Reaction

Clinical Background:

The hepatitis C virus is a blood-borne virus and most infection occur through exposure to blood from unsafe injection practices, unsafe health care, un-screened blood transfusions, injection drug use and sexual practices that lead to exposure to blood. HCV is a spherical, enveloped, positive-strand ribonucleic acid (RNA) virus, belongs to the family Flaviviridae. Although majority of patients are not associated with symptoms, acute HCV infection may cause malaise, nausea and right upper quadrant pain, followed by dark urine and jaundice causing general feeling of being unwell with overall reduced quality of life. This manifestation is clinically indistinguishable from any other acute viral hepatitis. The virus can cause both acute and chronic hepatitis, ranging in severity from a mild illness to a serious, lifelong illness including liver cirrhosis and cancer. Persistently infected individuals tend to be asymptomatic for the most course of the disease.

Note:

- This test is intended for use in conjunction with clinical presentation and other laboratory markers as an indicator of disease prognosis.
- An "Not Detected" HCV RNA test result with a "Reactive" HCV antibody screen result may be due to:
 - A false-reactive HCV antibody screen result
 - Resolved or past HCV infection
 - Transient low viremia (i.e. episodic viral replication) of active HCV infection
- Test performed on IVD approved kit.

Limitation:

- PCR is a highly sensitive technique; common reasons for paradoxical results are contamination during specimen collection, selection of inappropriate specimen and inherent PCR inhibitors in the sample.
- The Not Detected result does not rule out the presence of inhibitors in the patient specimen or HCV RNA concentration below the level of detection of the test. Care should be taken when interpreting any single viral load determination.

*** End Of Report ***

Dr. Nitin Arora
MBBS,MD (Microbiology)

Terms and Conditions of Reporting

1. The presented findings in the Reports are intended solely for informational and interpretational purposes by the referring physician or other qualified medical professionals possessing a comprehensive understanding of reporting units, reference ranges, and technological limitations. The laboratory shall not be held liable for any interpretation or misinterpretation of the results, nor for any consequential or incidental damages arising from such interpretation.
2. It is to be presumed that the tests performed pertain to the specimen/sample attributed to the Customer's name or identification. It is presumed that the verification particulars have been cleared out by the customer or his/her representation at the point of generation of said specimen / sample. It is hereby clarified that the reports furnished are restricted solely to the given specimen only.
3. It is to be noted that variations in results may occur between different laboratories and over time, even for the same parameter for the same Customer. The assays are performed and conducted in accordance with standard procedures, and the reported outcomes are contingent on the specific individual assay methods and equipment(s) used, as well as the quality of the received specimen.
4. This report shall not be deemed valid or admissible for any medico-legal purposes.
5. The Customers assume full responsibility for apprising the Company of any factors that may impact the test finding. These factors, among others, includes dietary intake, alcohol, or medication / drug(s) consumption, or fasting. This list of factors is only representative and not exhaustive.

DISCLAIMER

This is a sample report provided for demonstration purposes only and does not represent an actual patient report. Test results, reference ranges, methodologies, instrumentation, and report formats may vary depending on the laboratory performing the test. The format and representation shown are indicative of reports generated by the National Reference Laboratory of Redcliffe Labs, Noida. This sample report should not be used for medical interpretation, diagnosis, or treatment decisions.