



TH537845 150425

Patient Id : 04151401024622 Visit ID : TH537845 150425 Sample Collection : 15/04/2025 12:30:01
Name : FATIMA MADKI Age/Sex : 7 Yrs. / F Sample Received : 15/04/2025 15:56:21
Ref. By : DR. CHINTAN VYAS Client Code : IC02212 Report Released : 16/04/2025 11:11:10
Client Name : DR CHINTAN VYAS, MUMBAI

HCV, Quantitative PCR- Blood

Sample Type : Whole Blood
Method : RT PCR

Test Description	Result (IU/mL)
Hepatitis C Virus, RNA	Target Not Detected

Interpretation

- A Numerical result will be reported with quantification expressed in IU/ml. It indicates the degree of active HCV viral replication in the patient.
- A '**More than 1*10⁷ IU/mL**' (7 log₁₀ IU/ml) result indicates HCV RNA is detected in the assay, but could not accurately quantify by this assay indicating that HCV RNA level is above the higher quantification limit of this assay.
- A '**Below 11 IU/mL**' (1.3 log₁₀ IU/ml) result indicates that HCV RNA level is below the lower limit of quantification of this assay. (When clinically indicated, follow-up testing by this assay is recommended in 1 to 2 months).
- A '**Target Not Detected**' result indicates HCV RNA is not detected from the patient's specimen by this assay.

Test Utilization

- To detect acute hepatitis C virus (HCV) infection before the appearance of HCV antibodies in serum (ie, <2 months from exposure)
- Detection and confirmation of chronic HCV infection
- Quantification of HCV RNA in serum of patients with chronic HCV infection (HCV antibody-positive)
- Monitoring disease progression in chronic HCV infection and response to antiviral therapy
- Determining cure and detection of relapse after completion of antiviral therapy

Clinical Utilization

- Hepatitis C Virus (HCV) RNA is detectable at the beginning of infection (as early as 1-2 weeks after exposure to HCV infection)
- It increases to get a peak approximately 6-8 weeks after the exposure to HCV reaching more than 7 X 10⁷ copies/mL and then progressively decreases within 6 months either due to spontaneous clearing of the virus or after successful completion of antiviral treatment


Note

- Linear reportable Range: 20 IU/ml (1.3 log₁₀ IU/ml) to 7 X 10⁷ IU/ml (7 log₁₀ IU/ml).
- Log value is a measurement used to describe HCV RNA and expresses the viral load values as power of ten (written log₁₀). The scale is used because large change can only be captured on graphs or diagrams by using log scale. This turns large numbers of IU/ml into manageable figures.
- Conversion factor: 1 IU/ml = 1.3 HCV copies/ml

Disclaimers


Dr. Mukti Dave
MD, Microbiology




Dr. Sonal Bangde
MD, Microbiology

Laboratory Report

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LABORATORIES
— Infectious Disease Reference Lab —



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- The report represents only the specimen received in our laboratory.
- Indeterminate results may be obtained because of presence of PCR inhibitors in sample. Test should be repeated with fresh sample, in such cases.
- This assay should not be used for blood donor screening or for the screening of human cells, tissues and cell based products.

References

- de Leuw P, Sarrazin C, Zeuzem S : How to use virological tools for the optimal management of chronic hepatitis C. Liver Int 2011 ; 31 Suppl 1:3-12.

Tests marked with * are not under NABL scope.

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

Mukti

Dr. Mukti Dave
MD , Microbiology



Certificate No.: MC-2580
NABL Accredited Laboratory



NTEP Approved Laboratory



Sonal

Dr. Sonal Bangde
MD , Microbiology