



## HEPATITIS C VIRUS (HCV) GENOTYPING

### Synonym(s):

[Back To Previous Page \(javascript: history.go\(-1\)\)](#)

<b>Lab Section Category</b>	<b>Molecular Diagnostics - Microbiology</b> Click here to find out more about the <b>write-up</b> ( <a href="/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/moleculardiagnosics.aspx">/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/moleculardiagnosics.aspx</a> ).
<b>Indications</b>	For determining the genotype of Hepatitis C virus (total of 6 major types, and their most common subtypes) for patients with known infection.
<b>Specimen Required</b>	5 mL of plain blood in serum separation tubes or EDTA-treated whole blood in sterile EDTA tube. Alternatively, 2 mL plasma or serum (separated from EDTA-treated or whole blood within 6 hours of collection by centrifugation at 800-1600g for 20 minutes at room temperature) in a sterile screw-capped polypropylene tube. Samples should be collected from patients positive for HCV RNA with a viral load of > 3,700 IU/ML.
<b>Storage and Transport</b>	Refrigerate sample until transfer to laboratory. <b>Do not freeze (except for plasma or serum)</b> . Send sample at 2 - 8°C (with an ice-pack). Blood sample must reach the laboratory within 24 hours after collection for plain blood or 48 hours for EDTA blood (preferably within 6 hours for all samples). Serum or plasma can be stored at 2 - 8°C for up to 2 days or frozen at -70°C before despatch to the laboratory.
<b>Method</b>	Polymerase chain reaction and reverse hybridization (Line Probe Assay from Siemens)
<b>Test Result</b>	HCV Genotype 1(1A,1B), 2(2A,2B,2C), 3(A,B,C,K), 4(A,B,C,D,E,F,H), 5A and 6(A,B,C-L) identified.
<b>Turnaround Time</b>	2 - 15 days
<b>Day(s) Test Set up</b>	Variable

[Back To Previous Page \(javascript: history.go\(-1\)\)](#)