



HCVG

HCV Genotyping

GA Test Code	8698 <i>Note: For viral load monitoring of HCV, order GA Test Code #219TQ. HCV quantity must be >500 IU/mL for Genotyping to be performed.</i>
Method	Multiplex PCR amplification, signal probe hybridization and array analysis through a capture probe
Specimen	Serum: 2.0 mL (min 1.0 mL). Whole blood can be stored for up to 24 hours at 2-25C. Separate serum from whole blood within 24 hours of collection by centrifugation at 800-1600x g for 20 min at room temp. Transfer serum to a sterile polypropylene tube. Serum may be stored at 2-8C for up to 3 days or frozen at -70C or colder for up to 6 weeks. <i>Note: If patient is monitored for therapy, subsequent specimens must be of the same type.</i>
Causes for Rejection	Quantity not sufficient (QNS) for analysis; time and/or temperature instructions not followed as specified; blood collected in heparin.
Reference Range	Not Detected
Possible Genotypes	1, 1a, 1b, 2a/c, 2b, 3, 4, 5, and 6
Turnaround Time	Reported Fridays
CPT Code	87902

Description

Identification of specific HCV genotypes is determined by multiplex polymerase chain reaction (PCR) assay with signal probe hybridization and array analysis through a capture probe

Clinical Utility

Prior to initiating anti-viral therapy, it is recommended that all patients be genotyped. The identification of genotype is a clinically significant factor in the management of HCV-infected individuals, particularly to determine anti-viral therapy dosage and treatment interval. The most recent updates to HCV treatment algorithms can be found at the website for the American Association for the Study of Liver Diseases (www.aasld.org).

Podzorski RP. Molecular Testing in the Diagnosis and Management of Hepatitis C Virus Infection. *Arch. Pathol. Lab. Med.*, Vol 126 March 2002.
EASL International Consensus Conference on Hepatitis C. Paris, Feb. 26-28, 1999, Consensus Statement. *Journal of Hepatology*. 30, 956-961.

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