Hepatitis C Virus Genotype by Sequencing
ARUP test code 0055593

HCV Genotype by Sequencing

1a or 1b
Cannot be further subtyped into Type 1a or Type 1b due to high conservation of the 5' untranslated region of the HCV genome. In addition, Type 6 virus may be misclassified as Type 1 in some cases. The Hepatitis C Virus High-Resolution Genotype by Sequencing test (ARUP test code 2006898) provides a higher level of subtype resolution.

INTERPRETIVE INFORMATION: Hepatitis C Genotyping

Hepatitis C Viral RNA is tested using reverse transcription polymerase chain reaction (RT-PCR) to amplify a specific portion of the 5' untranslated region (5' UTR) of the viral genome. The amplified nucleic acid is sequenced bi-directionally using dye-terminator chemistry (ABI). Sequencing data is compared to a database of characterized sequences.

Isolates of hepatitis C virus are grouped into six major genotypes (1-6). These genotypes are subtyped according to sequence characteristics. Due to high conservation of the 5' un-translated region of the HCV genome, this test has limitations in differentiating subtype 1a from 1b. Therefore, these subtypes will be reported as 1a or 1b. In rare instances, Type 6 virus may be misclassified as Type 1.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS
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