



Procedure	Result	Units	Ref Interval	Accession	Collected	Received	Reported/Verified
HCV Genotype by Sequencing	1a or 1b f			17-159-900032	08-Jun-17 08:31:00	08-Jun-17 08:35:00	08-Jun-17 08:43:09
NS5A Genotype	1b			17-159-900032	08-Jun-17 08:31:00	08-Jun-17 08:35:00	08-Jun-17 10:18:21
NS5A Resistance	See Note f			17-159-900032	08-Jun-17 08:31:00	08-Jun-17 08:35:00	08-Jun-17 10:18:21

08-Jun-17 08:31:00 HCV Genotype by Sequencing:

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. Refer to HCV NS5A Drug Resistance by Sequencing portion of the assay for subtyping and resistance associated mutations in the NS5A codons 20-101 for genotypes 1a and 1b.

Hepatitis C Virus (HCV) NS5A Drug Resistance by Sequencing will be added. Additional charges apply.

08-Jun-17 08:31:00 NS5A Resistance:

The following resistance-associated variants were identified: none

Elbasvir: Not Predicted

Ledipasvir: Not Predicted

Resistance variants and interpretations are reported based on EASL HCV treatment guidelines (available: <http://www.easl.eu/medias/cpg/HCV2016/Summary.pdf>).

The following additional variants were also identified: Y39D

In vitro and/or clinical studies have identified these additional variants as having a possible association with resistance but may require additional studies to confirm. For further information, please refer to package inserts for the applicable direct acting antiviral drug (daclatasvir, elbasvir, ledipasvir, ombitasvir and velpatasvir).

08-Jun-17 08:31:00 HCV Genotype by Sequencing:

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

08-Jun-17 08:31:00 NS5A Genotype:

INTERPRETIVE INFORMATION: HCV NS5A Drug Resistance by Sequencing

This assay detects resistance-associated variants in NS5A codons 20-101 for HCV genotypes 1a and 1b. Variants in viral sub-populations below 20 percent of total may not be detected. For further information, please refer to drug package inserts for the applicable direct acting antiviral drug and current HCV treatment guidelines (e.g. AASLD/IDSA guidelines or EASL HCV treatment recommendations).

* Abnormal, # = Corrected, C = Critical, f = Footnote, H = High, L = Low, t = Interpretive Text, @ = Reference Lab

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Example Report

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

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