

Laboratory Test Report

# Patient: SSN:

**DOB: Ordering Physician:**

# Collection Date: Ordering Site:

**Site Accession No: PHRL Accession No:**

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| --- | --- | --- | --- |
| **Received Date/Time:**  **Test Performed:** | HCV NS5A Resistance Genotypea | **Sample Type:**  **Test Date:** | plasma |
| **Results File Name:** | P15-0614\_1aNS3 nucleo.fasta | **Report Date:** | Dec 21,2016@07:42 |
| **Results:** |  |  |  |

|  |  |  |
| --- | --- | --- |
| **NS5A Inhibitor:** | **Resistance Mutation(s)b:** | **Resistance Predictedc:** |
| daclatasvir | none detected | no |
| ledipasvir | none detected | no |
| ombitasvir | none detected | no |
| elbasvir | none detected | no |
| velpatasvir | none detected | no |

All amino acid differences between patient strain and reference straind: V37M, T64A, R73K, R78K, M83T, S85S/N, K107T, S131T, T135A, I144V, E171D, E181D, A213A/T, G215R, M226V, A245T

**Comments:** genotype 1a; codons 1 to 269 analyzed **Reference Range:** none detected

# Note:

a The test uses RT-PCR and population-based sequencing to determine the consensus nucleotide and resulting amino acid sequence of the NS5A gene. This test was developed and its performance characteristics determined by PHRL. The

U.S. FDA has not approved or cleared this test; however, FDA clearance or approval is not currently required for clinical use. The results are not intended to be used as the sole means for clinical diagnosis or patient management decisions.

b Known resistance associated mutations include:

ledipasvir: K24R, M28A/G/T/V, Q30E/G/R/H/K/L, L31M/V, P32L, H58D, Y93H/N/S/C/T ombitasvir: M28T/V, Q30E/R, L31V, H58D, Y93H/L/N/C

elbasvir: M28A/G/T, Q30H/K/R/Y, L31F/M/V, H58D, Y93H/N/S/C daclatasvir: M28T, Q30E/H/R/K, L31M/V, H54R, H58D/P, Y93C/H/N velpatasvir : Q30K/E, L31M/V/I, P32L, Y93H/N/W/R/S

c Predicted resistance is determined from codon changes that are known to confer a loss of susceptibility in vitro, or from treatment emergent codon changes in clinical trials, as described in each drug's package insert.

d Genbank NC004102 (HCV genotype 1a, strain H77)