

Client: Example Client ABC123 123 Test Drive Salt Lake City, UT 84108 UNITED STATES

Physician: Doctor, Example

## **Patient: Patient, Example**

DOB	5/3/1954
Gender:	Male
<b>Patient Identifiers:</b>	01234567890ABCD, 012345
Visit Number (FIN):	01234567890ABCD
<b>Collection Date:</b>	00/00/0000 00:00

Hepatitis C Virus (HCV) GenoSure NS3 and NS4A

ARUP test code 3001234

EER HCV GenoSure NS3 and NS4A

See Note Authorized individuals can access the ARUP Enhanced Report using the following link:

HCV GenoSure NS3 and NS4A

See Comments

HCV GenoSure(TM) NS3/4A

Comments: Q80K DETECTED. The Q80K polymorphism GT 1a infected patients that (a) are treated with simeprevir in combination with pegylated interferon and ribavirin, or (b) have compensated cirrhosis and are settings, a regimen that does not include simeprevir should be considered.

HCV Genotype: 1a

Drug Generic Name	Brand/ Regimen	Genotypic Assessment	Comments
Glecaprevir	Mavyret	None/Undetermined	
Grazoprevir GZR RAVS*: N	Zepatier	None/Undetermined	
Paritaprevir PTV/r RAVs*:	Viekira Pak 080K	None/Undetermined	
Simeprevir SMV RAVs*: 0	Olysio 80K	Resistance Possible	
Voxilaprevir VOX RAVs*: N	Vosevi one	None/Undetermined	
*RAVs = Resista	nce Associated	d Variants detected	

Summary of All Variants Observed:

NS3 (Protease: aa 1-181, Helicase: aa 182-644) V29A, T40A, Q80K, S91T, L153I, K244R, V329I, S33 V358A, A379G, I386V, S410A, K469R, S553G, Q572R, I586N/T, V609I S332P,

NS4A (Protease cofactor: aa 1-54) Q46R

H=High, L=Low, \*=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruptab.com 500 Chipeta Way, Salt Lake City, UT 84108-1221 Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example ARUP Accession: 23-069-148155 Patient Identifiers: 01234567890ABCD, 012345 Visit Number (FIN): 01234567890ABCD Page 1 of 3 | Printed: 7/13/2023 12:54:36 PM 4848



Important Definitions

Resistance Possible - Resistance Associated Variants (RAVs) detected that (a) represent naturally-occurring polymorphisms or treatment-emergent variants associated with reductions in sustained virologic response (SVR) rates, (b) emerge during direct-acting antiviral (DAA)-treatment or relapse, and/or (c) may confer reductions in susceptibility based on in vitro data. Refer to prescribing information for specific details regarding the impact of these variants on treatment response in defined patient populations and when administered in combination with other antiviral agents.

None/Undetermined - None; no RAVs detected. Undetermined; variants detected that have a subtle or uncertain impact on DAA-treatment responses.

All variants are reported relative to the HCV genotype/subtype specific reference H77.

Assessment is based on a rules-based algorithm (version 6).

Naturally-occurring polymorphisms may impact the emergence of resistance, leading to failure of DAA combination therapy

Naturally-occurring DAA resistance-associated polymorphisms identified at baseline may impact SVR if the treatment regimen, or adherence, is suboptimal. The impact of these polymorphisms may vary in treatment-naive and treatment-experienced patients and with varying disease states (e.g. non-cirrhotic vs cirrhotic)

Reduced susceptibility to any one component of a DAA-containing regimen may be overcome by the activity of the other components of the regimen and/or longer treatment duration

Treatment emergent RAVs may persist for prolonged periods of time and may impact subsequent treatment regimens

HCV GenoSure NS3 and NS4A Interpretation

See Comments

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For more information on interpreting this report, please call Monogram Customer Service at 800-777-0177 between the hours of 6:30am to 5:00pm Pacific Time Monday through Friday.

Friday. This assay is performed using a next-generation sequencing platform that analyzes the specified non-structural coding regions of HCV. Variants are reported at a sensitivity that has been demonstrated to be equivalent to that of Sanger/population sequencing. Genotype assignment is determined from the sequence of the specified regions that are derived using subtype specific methodology, and should not be used to establish or confirm the HCV genotype. HCV genotype determination should only be done with an assay intended for that purpose. This assay was validated by testing samples with viral loads equal to or above 2000 IU/mL and should be interpreted only on such specimens. This test was developed and its performance characteristics determined by Labcorp. It has not been cleared or approved by the Food and Drug Administration. Monogram Biosciences, Inc. is a subsidiary of Laboratory Corporation of America Holdings, using the brand Labcorp. The results should not be used as the sole criteria for patient management. This document contains private and confidential health information protected by state and federal law. If you have received this document in error, please call 800-777-0177. Performed by Monogram Biosciences Weidong Huang, MD, Medical Director 345 Oyster Point Blvd, South San Francisco, CA 94080 Tel (800) 777-0177

VERIFIED/REPORTED DATES					
Procedure	Accession	Collected	Received	Verified/Reported	
EER HCV GenoSure NS3 and NS4A	23-069-148155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00	
HCV GenoSure NS3 and NS4A	23-069-148155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00	
HCV GenoSure NS3 and NS4A Interpretation	23-069-148155	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00	

END OF CHART

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