

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 11/19/1954
Gender: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Human Immunodeficiency Virus Type 1 (HIV-1) GenoSure Archive

ARUP test code 3002503

EER HIV-1 GenoSure Archive

See Note

Access ARUP Enhanced Report using the link below:

-Direct access:

[REDACTED]

HIV-1 GenoSure Archive I

Adequate

HIV-1 GenoSure Archive II

Completed

HIV-1 Subtype: B

Drug Generic Name	Brand Name	Genotypic Assessment	Comments
NRTI			
Abacavir RAMS*: E44D	Ziagen	Sensitive	
Didanosine RAMS*: E44D	Videx	Sensitive	
Emtricitabine RAMS*: E44D	Emtriva	Sensitive	
Lamivudine RAMS*: E44D	Epivir	Sensitive	
Stavudine RAMS*: E44D	Zerit	Sensitive	
Tenofovir RAMS*: None	Viread	Sensitive	
Zidovudine RAMS*: E44D	Retrovir	Sensitive	
NNRTI			
Doravirine RAMS*: V245E	Pifeltro	Sensitive	
Efavirenz RAMS*: None	Sustiva	Sensitive	
Etravirine RAMS*: None	Intelence	Sensitive	
Nevirapine RAMS*: None	Viramune	Sensitive	
Rilpivirine RAMS*: None	Edurant	Sensitive	
INI			
Bictegravir	Bictegravir	Sensitive	

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

RAMS*: None
 Dolutegravir Tivicay Sensitive
 RAMS*: None
 Elvitegravir Vitekta Sensitive
 RAMS*: None
 Raltegravir Isentress Sensitive
 RAMS*: None

PI
 Atazanavir/r Reyataz / r Sensitive
 RAMS*: K20R, I62V
 Darunavir/r Prezista / r Sensitive
 RAMS*: K20R
 Fosamprenavir/r Lexiva / r Sensitive
 RAMS*: None
 Indinavir/r Crixivan / r Sensitive
 RAMS*: K20R
 Lopinavir Kaletra Sensitive
 RAMS*: K20R
 Nelfinavir Viracept Sensitive
 RAMS*: None
 Ritonavir Norvir Sensitive
 RAMS*: K20R
 Saquinavir/r Invirase / r Sensitive
 RAMS*: K20R, I62V
 Tipranavir/r Aptivus / r Sensitive
 RAMS*: K20R, L63T

*RAMS = Resistance Associated Mutations observed

Summary of Mutations Observed:

RT: K20R, E44D, V60I, R83K, Q102K, D123E, C162S, Q197E, K238R, V245E, A272P, R277K, V293I, T296S, E297K, L303M, H315Y, M357V, V365I, A376T, T377M, A400T

IN: K14R, V72I, L101I, V113I, T124N, K156G, I200M, V201I, V234I, K266R

PR: K20R, I62V, L63T, V77I

Assessment of drug susceptibility is based upon detected mutations and interpreted using an advanced proprietary algorithm (version 18).

HIV-1 GenoSure Archive Interpretation

See Comments

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Interpretation algorithms for ritonavir-boosted protease inhibitors appropriate for the following dosages: AMP/r 600mg/100mg BID; ATV/r 300mg/100mg QD; IDV/r 800mg/200mg BID; LPV/r 400mg/100mg BID; SQV/r 1000mg/100mg BID; TPV/r 500mg/200mg BID; and DRV/r 600mg/100mg BID.

Mixtures are indicated by amino acids separated by a slash.

For more information on interpreting this report, please visit www.MonogramBio.com or call Customer Service at 800-777-0177 between the hours of 6:30am to 5:00pm PT Monday through Friday.

GenoSure Archive is a DNA sequencing assay that uses next-generation sequencing to analyze the protease (amino acids 1-99), reverse transcriptase (amino acids 1-400) and integrase (amino acids 1-288) coding regions derived from HIV-1 cell associated DNA. Subtype is determined using the protease and reverse transcriptase sequence information. This assay meets the standards for performance characteristics and all other quality control and assurance requirements established by CLIA. The results should not be used as the sole criteria for patient management. This test was developed and its performance characteristics determined by Monogram Biosciences. It has not been cleared or approved by the FDA. 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
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VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
EER HIV-1 GenoSure Archive	21-172-141433	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HIV-1 GenoSure Archive I	21-172-141433	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HIV-1 GenoSure Archive II	21-172-141433	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HIV-1 GenoSure Archive Interpretation	21-172-141433	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

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