

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 12/17/1943
Gender: Male
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

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



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	Ziagen	Resistant	
RAMS*: M41M/L, D67D/N, L74L/V, V75V/A, M184M/V, T215T/N/S/Y			
Didanosine	Videx	Resistant	
RAMS*: M41M/L, D67D/N, L74L/V, V75V/A, M184M/V, T215T/N/S/Y			
Emtricitabine	Emtriva	Resistant	
RAMS*: M41M/L, D67D/N, M184M/V, T215T/N/S/Y			
Lamivudine	EpiVir	Resistant	
RAMS*: M41M/L, D67D/N, M184M/V, T215T/N/S/Y			
Stavudine	Zerit	Resistant	1
RAMS*: M41M/L, D67D/N, V75V/A, T215T/N/S/Y			
Tenofovir	Viread	Resistance Possible	2
RAMS*: M41M/L, D67D/N, V75V/A, T215T/N/S/Y			
Zidovudine	Retrovir	Resistant	2
RAMS*: M41M/L, D67D/N, V75V/A, T215T/N/S/Y			
NNRTI			
Doravirine	Pifeltro	Sensitive	
RAMS*: None			
Efavirenz	Sustiva	Sensitive	
RAMS*: None			
Etravirine	Intelence	Sensitive	
RAMS*: None			
Nevirapine	Viramune	Sensitive	
RAMS*: None			
Rilpivirine	Edurant	Sensitive	
RAMS*: None			

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

Unless otherwise indicated, testing performed at:

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

PI
 Atazanavir/r Reyataz / r Resistant
 RAMS*: L10L/I, E35E/D, M36I, M46M/I, I54I/V, V82V/A/I/T, N88N/S
 Darunavir/r Prezista / r Sensitive 3
 RAMS*: L10L/I, M46M/I, V82V/A/I/T
 Fosamprenavir/r Lexiva / r Sensitive 3
 RAMS*: L10L/I, E35E/D, M46M/I, I54I/V, V82V/A/I/T
 Indinavir/r Crixivan / r Resistant
 RAMS*: L10L/I, M36I, M46M/I, I54I/V, A71A/T, V82V/A/I/T, N88N/S
 Lopinavir Kaletra Resistant
 RAMS*: L10L/I, M46M/I, I54I/V, A71A/T, V82V/A/I/T
 Nelfinavir Viracept Resistant
 RAMS*: L10L/I, E35E/D, M36I, M46M/I, I54I/V, A71A/T, V82V/A/I/T, N88N/S
 Ritonavir Norvir Resistant
 RAMS*: L10L/I, E35E/D, I54I/V, A71A/T, V82V/A/I/T
 Saquinavir/r Invirase / r Resistant
 RAMS*: L10L/I, E35E/D, I54I/V, A71A/T, N88N/S
 Tipranavir/r Aptivus / r Resistant
 RAMS*: I13I/V, E35E/D, M36I, I54I/V, V82V/A/I/T

*RAMS = Resistance Associated Mutations observed

Summary of Mutations Observed:

RT: K20K/R, V35V/A/I/T, M41M/L, D67D/N, L74L/V, V75V/A, Q102K, Y115Y/H, K122K/E, C162S, T165T/I, K166K/R, M184M/V, G196G/E, R211R/K, T215T/N/S/Y, E248E/D, G262G/E, T286A, V293I, E308E/K, R356R/K, M357M/I/T, A360A/T, A371A/V, A376T, K390R, E399D, A400A/I/T/V

IN: H51H/Q, L101L/I, V113I, E157E/K, E198D, Q216H, V234L, S283S/G

PR: L10L/I, I13I/V, E35E/D, M36I, N37N/D, R41R/K, M46M/I, I54I/V, L63L/F/P/S, A71A/T, V82V/A/I/T, N88N/S

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

Comments:

- 1 - Assessment for this drug was derived considering the sensitizing effect of mutation M184V.
- 2 - Assessment for this drug was derived considering the sensitizing effect of mutations L74V and M184V.
- 3 - Assessment for this drug was derived considering the sensitizing effect of mutation N88S.

HIV-1 GenoSure Archive Interpretation

See Comments

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

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 monogrambio.labcorp.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 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
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VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
EER HIV-1 GenoSure Archive	23-138-123391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HIV-1 GenoSure Archive I	23-138-123391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HIV-1 GenoSure Archive II	23-138-123391	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HIV-1 GenoSure Archive Interpretation	23-138-123391	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