

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 9/18/1956
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

Access ARUP Enhanced Report using the link below:

-Direct access: XXXXXXXXXXXXXXXXXXXX

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	Sensitive	
RAMS*: M184M/V			
Didanosine	Videx	Resistance Possible	
RAMS*: M184M/V			
Emtricitabine	Emtriva	Resistant	
RAMS*: M184M/V			
Lamivudine	EpiVir	Resistant	
RAMS*: M184M/V			
Stavudine	Zerit	Sensitive	1
RAMS*: None			
Tenofovir	Viread	Sensitive	1
RAMS*: None			
Zidovudine	Retrovir	Sensitive	1
RAMS*: None			
NNRTI			
Doravirine	Pifeltro	Sensitive	
RAMS*: I135T			
Efavirenz	Sustiva	Sensitive	
RAMS*: None			
Etravirine	Intelence	Sensitive	
RAMS*: None			
Nevirapine	Viramune	Sensitive	
RAMS*: None			
Rilpivirine	Edurant	Sensitive	
RAMS*: None			
INI			
Bictegravir	Bictegravir	Sensitive	
RAMS*: None			

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

Dolutegravir	Tivicay	Sensitive
RAMS*: None		
Elvitegravir	Vitekta	Sensitive
RAMS*: None		
Raltegravir	Isentress	Sensitive
RAMS*: None		
PI		
Atazanavir/r	Reyataz / r	Sensitive
RAMS*: None		
Darunavir/r	Prezista / r	Sensitive
RAMS*: None		
Fosamprenavir/r	Lexiva / r	Sensitive
RAMS*: None		
Indinavir/r	Crixivan / r	Sensitive
RAMS*: None		
Lopinavir	Kaletra	Sensitive
RAMS*: None		
Nelfinavir	Viracept	Sensitive
RAMS*: None		
Ritonavir	Norvir	Sensitive
RAMS*: None		
Saquinavir/r	Invirase / r	Sensitive
RAMS*: None		
Tipranavir/r	Aptivus / r	Sensitive
RAMS*: None		

*RAMS = Resistance Associated Mutations observed

Summary of Mutations Observed:

RT: V35I/T, Q102K, I135T, C162S, E169E/G, M184M/V, F214L, R277K, T286A, V293I, M357T, K358R, A376T, V381V/I, K390R, A400T

IN: D6E, E11D, S17N, V113I, S119P/T, T124N, V234L, D253E, D256E

PR: T12P, L19T, M36M/T, N37N/S, P39P/S, L63P, I93L

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.

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 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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Tel (800) 777-0177

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
EER HIV-1 GenoSure Archive	21-173-403447	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HIV-1 GenoSure Archive I	21-173-403447	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HIV-1 GenoSure Archive II	21-173-403447	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
HIV-1 GenoSure Archive Interpretation	21-173-403447	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