MAYO CLINIC
Mayo Medical Laboratories

Test Definition: HIQGP

HIV-1 Quantification with Reflex to Genotypic Drug Resistance Analysis and Phenotypic Resistance Prediction, Plasma

Reporting Title: HIV-1 Quant Reflex to Geno/Pheno, P
Performing Location: Rochester

Specimen Requirements:

Collection Container/Tube: Lavender top (EDTA)
Submission Container/Tube: Plastic vial
Specimen Volume: 3 mL
Collection Instructions:
1. Spin down and remove plasma from cells within 6 hours of draw.
2. Freeze plasma specimen immediately, and ship specimen frozen on dry ice.
3. If shipment will be delayed for >24 hours, freeze plasma specimen at -70 degrees C (up to 35 days) until shipment on dry ice.
Additional Information: This test, HIV-1 RNA Quantification, Plasma, can be used for detection and diagnosis of HIV-1 infections, including in children <18 months of age when serologic tests are not useful (due to presence of maternal HIV antibodies).

Specimen Type	Temperature	Time
Plasma EDTA	Frozen (preferred)	
	Refrigerated	24 hours

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
GHIVR	GHIVD	Last viral load date (mm/dd/yyyy):	Date Value	No
GHIVR	GHIVL	Was last HIV-1 viral load >1,000?: • Yes • No	Answer List	No

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
81958	HIV-1 RNA Quantification, P **Also used by tests: HIVQU, HIVQR**	Numeric	copies/mL	20447-9

CPT Code: 1 × 87536

Reflex Tests:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
VPHIV	HIV-1 Phenotypic Resist Prediction	1	87900	No	No
GHIVR	HIV-1 Geno Reflex to Pheno Predict	1	87901	No	Yes

Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
VPHIV	88781	HIV-1 Phenotypic Resist Prediction	Alphanumeric		In Process
GHIVR	82340	HIV-1 Genotypic Drug Resistance, P	Alphanumeric		N/A
GHIVR	21395	Reverse Transcriptase Mutations	Alphanumeric		30554-0
GHIVR	21411	Abacavir	Alphanumeric		30287-7
GHIVR	21406	Didanosine	Alphanumeric		30284-4
GHIVR	21412	Lamivudine/Emtricitabine	Alphanumeric		30283-6
GHIVR	21408	Stavudine	Alphanumeric		30286-9
GHIVR	21530	Tenofovir	Alphanumeric		41396-3
GHIVR	21405	Zidovudine	Alphanumeric		30282-8
GHIVR	21414	Efavirenz	Alphanumeric		30291-9
GHIVR	31267	Etravirine	Alphanumeric		52749-9
GHIVR	21410	Nevirapine	Alphanumeric		30289-3
GHIVR	21400	Protease Mutations	Alphanumeric		33630-5
GHIVR	23624	Atazanavir	Alphanumeric		41403-7
GHIVR	28076	Atazanavir with Ritonavir	Alphanumeric		49618-2
GHIVR	26784	Darunavir with Ritonavir	Alphanumeric		49630-7
GHIVR	26732	Fosamprenavir	Alphanumeric		43736-8
GHIVR	26733	Fosamprenavir with Ritonavir	Alphanumeric		51409-1
GHIVR	21415	Indinavir	Alphanumeric		30292-7
GHIVR	26734	Indinavir with Ritonavir	Alphanumeric		49619-0
GHIVR	21532	Lopinavir with Ritonavir	Alphanumeric		42000-0
GHIVR	21416	Nelfinavir	Alphanumeric		30294-3

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
GHIVR	26735	Saquinavir with Ritonavir	Alphanumeric		49621-6
GHIVR	28201	Tipranavir with Ritonavir	Alphanumeric		49622-4
GHIVR	GHIVD	Last viral load date (mm/dd/yyyy):	Alphanumeric		N/A
GHIVR	GHIVL	Was last HIV-1 viral load >1,000?	Alphanumeric		N/A

Reference Values:

Undetected