
Overview**Useful For**

Determines viral phenotype resistance to three classes of commonly prescribed antiretroviral drugs: nucleoside reverse transcriptase inhibitors (NRTI), non-nucleoside reverse transcriptase inhibitors (NNRTI), and protease inhibitors (PI). Viral replication capacity is also included.

Method Name

Polymerase chain reaction (PCR) amplification and viral culture

NY State Available

Yes

Specimen**Specimen Type**

Plasma EDTA

Ordering Guidance

This procedure should be used for patients with documented HIV-1 infection and viral loads \geq 500 copies/mL.

Specimen Required

Specimen Type: Plasma

Container/Tube: Lavender-top (EDTA) or plasma preparation tube (PPT)

Specimen Volumes: 3 mL

Collection Instructions: Draw blood into **two** 5-mL PPT (pearl top) or EDTA (lavender top) tubes. Centrifuge specimen within 6 hours of collection. Transfer plasma to one or more polypropylene screw-capped tube(s) and freeze. Freeze immediately. Send 3 mL plasma in a screw-cap vial frozen.

To avoid delays in turnaround time when requesting multiple tests, please submit separate frozen specimens for each test requested.

RECOMMENDED:

1. Patient's most recent viral load.
2. Viral load collection date.

NOTE:

1. Intended for use only for patients with viral loads greater than or equal to 500 copies/mL. For best results, viral loads should be confirmed within two weeks prior to submission for testing at Monogram.
2. Patient samples submitted $<$ 30 days apart are considered duplicate and will be canceled.

Specimen Minimum Volume

1 mL

Reject Due To

Other	PPT not centrifuged; insufficient volume; heparinized plasma; non frozen specimens; specimens exposed to repeated freeze/thaw cycles; specimen received in "pop-top" or "snap-cap" tube
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Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Plasma EDTA	Frozen	14 days	

Clinical & Interpretive**Reference Values**

A final report will be attached in MayoAccess.

Performance**PDF Report**

Referral

Day(s) Performed

Sunday through Saturday

Report Available

18 to 26 days

Performing Laboratory Location

Monogram Biosciences, Inc

Fees & Codes**Fees**

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact [Customer Service](#).

CPT Code Information

87903

87904 x12

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FPHIV	Phenosense HIV	49665-3

Result ID	Test Result Name	Result LOINC® Value
Z1042	Phenosense HIV	Unable to Verify