

**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 > or =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