# Test Definition: FPHIV

Phenosense HIV Drug Resistance Replication Capacity

## 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 |

### 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.

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Phenosense HIV Drug Resistance Replication Capacity

## 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 |