## Test Name: HIV-1 Trofile

### Clinical Significance
To determine HIV-1 viral tropism (the means of entry into cells used by a given strain of HIV, specifically which co-receptor the virus is using to enter healthy CD4+ T-cells — CCR5, CXCR4, or both).

Sent out to reference lab (i.e. Monogram BioSciences).

### Specimen Requirements
- Minimum of 4 ml plasma from 2 PPT or EDTA tubes.
- Centrifuge at room temperature at 1000-1200 x g for 10-15 minutes within separation times below:
  - PPT Tubes: Centrifuge immediately or within 30 minutes of collection. Separate plasma. Aliquot into 2 sterile 2 ml polypropylene screw-cap tubes. Store frozen at -20°C until shipped.
  - EDTA Plasma: Centrifuge immediately or within 30 minutes of collection. Separate plasma. Aliquot into sterile 2 ml polypropylene screw-cap tubes. Store frozen at -20°C until shipped.

### Transport/Storage Temperature
- Frozen
- Use 2 lbs. of dry ice per day of transport.
- Recommended: Ship on 6 lbs dry ice in case of shipment delay.

### Test Approved For
- Non FDA approved
- Used in conjunction with other diagnostic test results to identify the most appropriate therapy and to select patients who may benefit from CCR5-antagonist therapy.

### Turn Around Time (After Receipt at HDRL)
- 25 business days

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**Please note:**

*Patient Viral Load must be ≥ 1000 copies/ml at time of test.* If Viral Load results are not current within the past 14 days, request an HIV-1 Viral Load on the test request form in addition to the HIV-1 Trofile request. **HDRL will not forward specimens for HIV-1 Trofile with Viral Loads < 1000 copies/ml.**