Test Information

Test performed at Monogram Biosciences.

For clinical utility and more information on interpreting this report, please visit http://www.monogrambio.com/hiv/tropism/trofile.

Patient Report

Patient's results from Monogram Biosciences continue on following page(s).
### Tropotye Result

Dual/Mixed virus population can use CXCR4 and/or CCR5 co-receptors to enter the CD4+ cell.

### About Tropism

**Trofile™ — A Highly Sensitive Tropism Assay**

Trofile is a cell-based approach to determine a patient's HIV co-receptor tropism (or "Tropotype"). Trofile uses the complete gp160 coding region of the HIV-1 envelope protein ensuring that all of the determinants of tropism are tested. **In-house validation data indicates that Trofile is sensitive to detect 0.3% CXCR4 using minor variants.** Subtype is determined based on the HIV-1 gp120 envelope region. This test is validated for testing specimens with HIV-1 viral loads equal to or above 1000 copies/mL and should be interpreted only on such specimens. This assay meets the standards for performance characteristics and all other quality control and assurance requirements established by CLIA. The results should not be used as the sole criteria for patient management. This test was developed and its performance characteristics determined by Monogram Biosciences. It has not been cleared or approved by the FDA. The results have been disclosed to you from confidential records protected by law and are not to be disclosed to unauthorized persons. Further disclosure of these results is prohibited without specific consent of the persons to whom it pertains, or as permitted by law.

For more information on interpreting this report, please visit www.MonogramBio.com or call Customer Service at 800-777-0177 between the hours of 6:30am to 5:00pm PT Monday through Friday.

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**HIV-1 Envelope Subtype: A,G**