



<u>Procedure</u>	<u>Result</u>	<u>Units</u>	<u>Ref Interval</u>	<u>Accession</u>	<u>Collected</u>	<u>Received</u>	<u>Reported/Verified</u>
EER Trofile (DNA) Co-Receptor Tropism	See Note	f		20-167-900018	15-Jun-20 07:43:00	15-Jun-20 10:14:00	18-Jun-20 10:58:22
Trofile DNA Co-Receptor Tropism	See Comments	f		20-167-900018	15-Jun-20 07:43:00	17-Jun-20 10:00:00	17-Jun-20 14:34:53
Trofile DNA, Tropotype	R5			20-167-900018	15-Jun-20 07:43:00	17-Jun-20 10:00:00	17-Jun-20 14:34:53
Trofile DNA, Interpretation	See Comments	f		20-167-900018	15-Jun-20 07:43:00	17-Jun-20 10:00:00	17-Jun-20 14:34:53

15-Jun-20 07:43:00 EER Trofile (DNA) Co-Receptor Tropism:
 Access ARUP Enhanced Report using the link below:

-Direct access:
 15-Jun-20 07:43:00 Trofile DNA Co-Receptor Tropism:
 Trofile DNA - HIV Co-receptor Tropism Assay

Trofile DNA Result: R5
 Virus uses CCR5 co-receptors to enter the CD4+ cell.

HIV-1 Envelope Subtype: B

15-Jun-20 07:43:00 Trofile DNA, Interpretation:
 Co-receptor tropism is defined as an interaction of a virus with a specific co-receptor on the target cell. To gain entry into CD4+ cells, HIV must bind to the cell surface CD4 receptor and to one of two co-receptors, CCR5 or CXCR4. Trofile DNA is a pseudovirion based tropism assay that uses HIV-1 envelope sequences isolated from cell associated viral DNA taken from whole blood cells infected with HIV. HIV-1 envelopes encoded by the viral DNA are tested in a cell-based viral infectivity assay in order to determine which co-receptor the HIV-1 virus population is capable of using: CCR5, CXCR4 or both, known as D/M (dual/mixed).

Methodology

Trofile uses the complete gp160 coding region of the HIV-1 envelope protein ensuring that all of the determinants of tropism are tested.

Subtype is determined based on the HIV-1 gp41 envelope region.

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.

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. This document contains private and confidential health information protected by state and federal law. If you have received this document in error, please call 800-777-0177.

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* Abnormal, # = Corrected, C = Critical, f = Footnote, H = High, L = Low, t = Interpretive Text, @ = Reference Lab