

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 4/23/1941
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Trofile (DNA) Co-Receptor Tropism

ARUP test code 3002570

EER Trofile (DNA) Co-Receptor Tropism

See Note

Authorized individuals can access the ARUP
Enhanced Report using the following link:

[REDACTED]

Trofile DNA Co-Receptor Tropism

See Comments

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

Trofile DNA, Troptotype

R5

Trofile DNA, Interpretation

See Comments

H=High, L=Low, *=Abnormal, C=Critical

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 monogrambio.labcorp.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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Performed by Monogram Biosciences
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VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
EER Trofile (DNA) Co-Receptor Tropism	23-109-113350	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Trofile DNA Co-Receptor Tropism	23-109-113350	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Trofile DNA, Tropotype	23-109-113350	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Trofile DNA, Interpretation	23-109-113350	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at: