



NIH AIDS Reagent Program

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DATA SHEET

Reagent: FIV Petaluma Infectious Molecular Clone (FIV-34TF10)

Catalog Number: 1236

Lot Number: 170205

Release Category: B

Provided: 5 µg of dried purified DNA stabilized in DNASTable *Plus*

Cloning Vector: pUC119
Ampicillin resistant

Cloning Site: EcoRI/BamHI cloning site
The size of the insert is 9474 bp.

GenBank: [M25381.1](#)

Host Strain: Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other cells.

Description: A full length replication competent, infectious FIV Petaluma 34TF10 molecular clone.

Special Characteristics: This construct is approximately 12600 bp.
The source of this molecular clone is derived from a λEMBL-4 genomic library that was prepared from Crandall feline kidney (CRFK) cells that were chronically infected with FIV-Petaluma.
This clone contains the full length Petaluma sequence, including two LTRs, plus 250 bp of 5' flanking cellular sequences and 120 bp of 3' flanking cellular sequences.
This clone readily infects CRFK and G355-5 cells, but is poorly infectious in primary feline peripheral blood leukocytes.

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

This reagent is currently being provided as dried purified DNA stabilized in DNAstable Plus. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. [Dried DNA Notice](#)

Recommended Storage: Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

Contributor: Dr. John H. Elder

References:

T. R. Phillips, C. Lamont, D. A. Konings, B. L. Shacklett, C. A. Hamson, P. A. Luciw and J. H. Elder. (1992). Identification of the Rev transactivation and Rev-responsive elements of feline immunodeficiency virus. *J Virol*, 66(9), 5464-71. [PUBMED](#)

T. R. Phillips, R. L. Talbott, C. Lamont, S. Muir, K. Lovelace and J. H. Elder. (1990). Comparison of two host cell range variants of feline immunodeficiency virus. *J Virol*, 64(10), 4605-13. [PUBMED](#)

R. L. Talbott, E. E. Sparger, K. M. Lovelace, W. M. Fitch, N. C. Pedersen, P. A. Luciw and J. H. Elder. (1989). Nucleotide sequence and genomic organization of feline immunodeficiency virus. *Proc Natl Acad Sci U S A*, 86(15), 5743-7. [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: FIV Petaluma Infectious Molecular Clone (FIV-34TF10) from Dr. John Elder." Also include the reference cited above in any publications.

Last Updated: November 06, 2017

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