



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** FeLV EECC Infectious Molecular Clone (pEECC-FeLV)

**Catalog Number:** 105

**Lot Number:** 180257

**Release Category:** D

**Provided:** 5 µg of dried purified DNA stabilized in DNastable *PLUS*

**Cloning Vector:** pUC18  
Ampicillin resistant

**Cloning Site:** EcoRI/SmaI cloning site (non-functional)  
The size of the insert is approximately 8439 bp.

**GenBank:** [M18246](#)

**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 competent cells.

**Description:** A full length replication competent, infectious FeLV EECC molecular clone.

**Special Characteristics:** This construct is approximately 11125 bp including the insert.  
The source of this molecular clone is viral sequences from 61E and 61C clones. The sequences were cloned directly from intestinal tissue DNA from a cat which had been inoculated with the FeLV-FAIDS strain and developed fatal immunodeficiency disease. The insert contains the 5' LTR, gag, and pol sequences from FeLV clone 61E and the *env* and 3' LTR sequences from FeLV clone 61C.  
The chimeric EECC virus is replication competent and highly pathogenic. The pEECC-FeLV clone is T cell-cytopathic *in vitro*, and induces immunodeficiency disease *in vivo*.

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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.

[Contributor provided plasmid map](#)

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. James I. Mullins

**References:** Overbaugh, J., Donahue, P. R., Quackenbush, S. L., Hoover, E. A. and Mullins, J. I. (1988). Molecular cloning of a feline leukemia virus that induces fatal immunodeficiency disease in cats. *Science*, 239(4842), 906-10. [PUBMED](#)

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: FeLV EECC Infectious Molecular Clone (pEECC-FeLV) from Dr. James Mullins (cat# 105)." Also include the reference cited above in any publications.

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact the University of Washington at the following email address: [uwcomotion@uw.edu](mailto:uwcomotion@uw.edu), before the reagent can be released.**

**Last Updated:** November 13, 2019

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