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DATA SHEET

Reagent:	FeLV EECC Infectious Molecular Clone (pEECC-FeLV)
Catalog Number:	105
Lot Number:	2
Release Category:	D
Provided:	1 vial of ampicillin-resistant, transformed JM109 bacterial cells
Cloning Vector:	pUC18 Ampicillin resistant
Cloning Site:	EcoRI/SmaI cloning site (non-functional) The size of the insert is approximately 8439 bp.
GenBank:	M18246
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*. Contributor provided plasmid map

Recommended Storage:	Keep the reagent at -80°C or lower. Avoid freeze-thaw cycles as reagent degradation may result.
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 , before the reagent can be released.**
Last Updated:	November 13, 2019