



NIH AIDS Reagent Program

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DATA SHEET

Reagent: EIAV Infectious Molecular Clone (pSPEIAV19)

Catalog Number: 4605

Lot Number: 190032

Release Category: D

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

Cloning Vector: pLG338Sport (ARP cat# 3924)
Ampicillin resistant

Cloning Site: The EIAV proviral insert was derived by lambda cloning. A Dra1-BamHI fragment containing the proviral LTR was cloned into the PvuII-BamHI site of pLG338Sport (ARP cat# #3924). An approximately 8.2 kb MluI fragment comprising the remainder of the proviral genome was then inserted into a unique MluI site in the cloned LTR fragment.

GenBank: [U01866](#)

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 EIAV molecular clone.

Special Characteristics: This is a full-length, infectious clone of EIAV derived from cell-culture adapted virus. Infectious virus is produced upon transfection of FEA or D17 cells. This virus replicates in the FEA cell line as well as in primary fetal equine kidney cell cultures, equine dermis cell cultures and equine monocyte-derived macrophages. The insert size is 8360 bp. pSPEIAV19 differs from pSPEIAV44 (Catalog #4606) primarily in the LTR and ENV regions.

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

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.

or 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. Susan Payne

References:

Cunningham, T. P., Montelaro, R. C. and Rushlow, K. E. (1993). Lentivirus envelope sequences and proviral genomes are stabilized in Escherichia coli when cloned in low-copy-number plasmid vectors. *Gene*, 124(1), 93-8. [PUBMED](#)

Payne, S. L., Rausch, J., Rushlow, K., Montelaro, R. C., Issel, C., Flaherty, M., Perry, S., Sellon, D. and Fuller, F. (1994). Characterization of infectious molecular clones of equine infectious anaemia virus. *J Gen Virol*, 75 (Pt 2), 425-9. doi:10.1099/0022-1317-75-2-425 [PUBMED](#)

NOTE:

This reagent requires an USDA Import/Transport permit. The VS 16-3 or VS 16-7 permit may be found here: http://www.aphis.usda.gov/animal_health/permits

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: EIAV Infectious Molecular Clone (pSPEIAV19) from Dr. Susan Payne (cat# 4605)." Also include the references listed above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact the University of Texas, Arlington Office of Technology Management at the following email address: otm@uta.edu, before the reagent can be released.

Last Updated:

March 27, 2020

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