



NIH AIDS Reagent Program

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DATA SHEET

Reagent: EIAV Infectious Molecular Clone (pSPEIAV44)

Catalog Number: 4606

Lot Number: 120184

Release Category: D

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

Cloning Vector: pLG338Sport
Kanamycin resistant

Cloning Site: MluI cloning site
The size of the insert is approximately 8360 bp.

GenBank: Partial sequence information available
LTR: [U01860](#)
SU region: [U01867](#)

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 construct is 13417 bp including the insert.
The source of this molecular clone is derived by lambda cloning 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 cultures, and equine monocyte-derived macrophages.
pSPEIAV44 was obtained from the same library used to isolate pSPEIAV19 (cat# 4605).

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.

The two infectious clones differ primarily in the SU and LTR regions.

[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. Susan Payne
References:	<p>T. P. Cunningham, R. C. Montelaro and K. E. Rushlow. (1993). Lentivirus envelope sequences and proviral genomes are stabilized in Escherichia coli when cloned in low-copy-number plasmid vectors. <i>Gene</i>, 124(1), 93-8. PUBMED</p> <p>S. L. Payne, J. Rausch, K. Rushlow, R. C. Montelaro, C. Issel, M. Flaherty, S. Perry, D. Sellon and F. Fuller. (1994). Characterization of infectious molecular clones of equine infectious anaemia virus. <i>J Gen Virol</i>, 75 (Pt 2), 425-9. doi:10.1099/0022-1317-75-2-425 PUBMED</p>
NOTE:	<p>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 (pSPEIAV44) from Dr. Susan Payne (cat# 4606)." Also include the references cited above in any publications.</p> <p>This reagent requires an USDA Import/Transport permit. The VS 16-3 or VS 16-7 permit may be found here: USDA Permits</p> <p>Scientists at for-profit institutions or who intend commercial use of this reagent must contact the UTA Office of Technology Management at the following email address: otm@uta.edu, before the reagent can be released.</p>
Last Updated:	March 27, 2020

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