



NIH AIDS Reagent Program

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DATA SHEET

Reagent: EIAV Infectious Molecular Clone (pSPEIAV19)

Catalog Number: 4605

Lot Number: 9/28/99

Release Category: D

Provided: ~1.0 ml ampicillin-resistant, transformed DH5a bacteria (glycerol stock).

Cloning Vector: pLG338Sport (Catalog #3924)

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 (Catalog #3924). An approximately 8.2 kb MluI fragment comprising the remainder of the proviral genome was then inserted into a unique Mlu1 site in the cloned LTR fragment.

GenBank: U01866

Description: 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.

Recommended Storage: -70°C.

Contributor: Dr. Susan Payne.

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.

References: Payne SL, Rausch J, Rushlow K, Montelaro RC, Issel C, Flaherty M, Perry S, Sellon D, Fuller F. Characterization of infectious molecular clones of equine infectious anaemia virus. *J Gen Virol* **75**:425-429, 1994. 2. Cunningham TP, Montelaro RC, Rushlow KE. Lentivirus envelope sequences and proviral genes are stabilized in *Escherichia coli* when cloned in low copy number plasmid vectors. *Gene* **124**:93-98, 1993.

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.

Last Updated: March 27, 2020

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