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DATA SHEET

Reagent:	HIV-1 JR-CSF Infectious Molecular Clone (pYK-JRCSF)
Catalog Number:	2708
Lot Number:	080229
Release Category:	C
Provided:	5 µg purified plasmid DNA (0.9 µg/µL).
Cloning Vector:	pBRN/B.
GenBank:	M38429. Of note, in the GenBank entry there is a notation stating: "On July 16, 1997, Christopher Buck wrote:... [there are] some variations between the published sequence of proviral clone JR-CSF and the actual sequence of plasmid pYK-JRCSF (AIDS Reagent Program catalog #2708). The substitutions are as follows:C7808->G G7809->C G8232->A resulting in these amino acid substitutions in envelope reading frame:R525->A G666->D"
Host Strain:	HB101, 30°C
Description:	pYK-JRCSF is an infectious molecular clone of HIV-1_{JR-CSF}, a primary isolate from cerebral spinal fluid obtained from an AIDS patient.
Special Characteristics:	This construct contains 0.5 kb of 3' flanking sequences and 2.2 kb of 5' flanking DNA. The DNA clone was obtained from infected PBL eleven days after initiation of culture. Upon transfection, pYK-JRCSF produces infectious HIV-1 viral particles. JR-CSF infects peripheral blood lymphocytes and macrophages, but does not infect transformed T-cell lines. The virus does not induce syncytia formation.
Recommended Storage:	-70°C.
Contributor:	Dr. Irvin SY Chen and Dr. Yoshio Koyanagi.

References:

Haltiner M, Kempe T, Tijan R. A novel strategy for constructing clustered point mutations. *Nucleic Acids Res* **13**:1015-1025, 1985.
Koyanagi Y, Miles S, Mitsuyasu RT, Merrill JE, Vinters HV, Chen ISY. Dual infection of the central nervous system by AIDS viruses with distinct cellular tropisms. *Science* **236**:819-822, 1987.
Cann AJ, Zack JA, Go AS, Arrigo SJ, Koyanagi Y, Green PL, Pang S, Chen ISY. HIV-1 T-cell tropism is determined by events prior to provirus formation. *J Virol* **64**:4735-4742, 1990.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 JR-CSF Infectious Molecular Clone (pYK-JRCSF) from Dr. Irvin SY Chen and Dr. Yoshio Koyanagi." Also include the references cited above in any publications.

Last Updated:

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