



Product Information Sheet for HRP-20133

Simian Immunodeficiency Virus, SIVagmVer90-5387 T/F

Catalog No. HRP-20133

This reagent is the tangible property of the U.S. Government.

Lot No. 70053286

For research use only. Not for use in humans.

Contributor and Manufacturer:

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Product Description:

VIRUS CLASSIFICATION: *Retroviridae, Lentivirus*

SPECIES: Simian immunodeficiency virus

STRAIN/ISOLATE: SIVagmVer90-5387 T/F

ORIGINAL SOURCE: Simian immunodeficiency virus (SIV), SIVagmVer90-5387 transmitted/founder (T/F) was generated by using the Env clone from peripheral blood mononuclear cells (PBMC) isolated from the vervet species of an African green monkey (AGM), AG5387, after intrarectally inoculated with SIVagmVer90.^{1,2} SIVagmVer90 was isolated from the mesenteric lymph node of a naturally infected vervet AGM, AGM90.²

COMMENTS: SIVagmVer90-5387 infectious molecular clone was generated by cloning RT-PCR amplified genome insert into a pUC19 vector.¹ Virus stocks were produced by transfection of 293T cells with this clone. HRP-20133 is reported to be infectious *in vitro* in rhesus macaque and AGM peripheral blood mononuclear cells (PBMC) but has not been evaluated for *in vivo* infectivity.

Material Provided:

Each vial contains between 0.5 mL and 1.0 mL of supernatant from SIVagmVer90-5387 T/F transfected 293T cells. The virus supernatants were prepared by centrifugation followed by filtration through a 0.45 µm filter. HRP-20133 has not been tested for mycoplasma contamination.¹

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:

HRP-20133 was packaged aseptically in plastic cryovials. The product is provided frozen and should be stored at -100°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:

HOST: AGM PBMC

GROWTH MEDIUM: RPMI 1640 medium supplemented with 10% heat-inactivated fetal bovine serum

INFECTION: Cells should be 70% to 90% confluent

INCUBATION: 10 to 14 days at 37°C and 5% CO₂

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, NIAID, NIH: Simian Immunodeficiency Virus, SIVagmVer90-5387 T/F, HRP-20133, contributed by Dr. Vanessa M. Hirsch."

Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmb15/index.htm.

Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the NIH HIV Reagent Program Material Transfer Agreement (MTA). The MTA is available on our Web site at www.hivreagentprogram.org.

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NIH HIV Reagent Program

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References:

1. Hirsch, V., Personal Communication.
2. Riddick, N., et al. "Simian Immunodeficiency Virus SIVagm Efficiently Utilizes Non-CCR5 Entry Pathways in African Green Monkey Lymphocytes: Potential Role for GPR15 and CXCR6 as Viral Coreceptors." *J. Virol.* 90 (2016): 2316-2331. PubMed: 26656714.

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