



Product Information Sheet for HRP-20119

Simian Immunodeficiency Virus, SIVsmE660-FL10

Catalog No. HRP-20119

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

Lot No. 70051476

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: SIVsmE660-FL10

ORIGINAL SOURCE: Simian Immunodeficiency Virus (SIV), SIVsmE660-FL10 is a full-length infectious viral clone derived from SIVsmE660, a terminal isolate of SIV from the spleen of rhesus macaque E660.^{1,2}

COMMENTS: SIVsmE660-FL10 is highly sensitive to neutralizing antibodies but is still capable of inducing AIDS in macaques.^{1,2} The complete genome of SIVsmE660-FL10 has been sequenced (GenBank: [JQ864084.1](#)).

Material Provided:

Each vial contains approximately 1.0 mL of supernatant from SIVsmE660-FL10-transfected 293T cells. The virus supernatants were prepared by centrifugation followed by filtration through a 0.45 µm filter. HRP-20119 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-20119 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: Rhesus macaque peripheral blood mononuclear cells (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, SIVsmE660-FL10, HRP-20119, 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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References:

1. Hirsch, V. M., Personal Communication.

NIH HIV Reagent Program

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2. Wu, F., et al. "Sequential Evolution and Escape from Neutralization of Simian Immunodeficiency Virus SIVsmE660 Clones in Rhesus Macaques." J. Virol. 86 (2012): 8835-8847. PubMed: 22696650.

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