



Product Information Sheet for HRP-20127

Simian Immunodeficiency Virus, SIVsmE660 uncloned/PT71

INFECTION: Cells should be 70% to 90% confluent
INCUBATION: 10 to 14 days at 37°C and 5% CO₂

Catalog No. HRP-20127

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

Lot No. 70052641

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 uncloned/PT71

ORIGINAL SOURCE: Simian Immunodeficiency Virus (SIV), SIVsmE660 uncloned/PT71 is a virus stock of uncloned SIVsmE660 produced in pig-tailed (PT) macaque (*Macaca nemestrina*) peripheral blood mononuclear cells (PBMC) and titered for infectivity in rhesus macaques (*M. mulatta*).^{1,2} SIVsmE660 is a terminal isolate of SIV from the spleen of rhesus macaque E660.²

COMMENTS: This stock has been used as a repeated intrarectal challenge by the depositor and its use as a heterologous challenge for macaques immunized with SIVmac239 immunogens has been suggested.^{1,2,3} The representative clones of this stock are available as HRP-20118, HRP-20119 and HRP-20120.

Material Provided:

Each vial contains approximately 1.0 mL of supernatant from PT macaque PBMC infected with uncloned SIVsmE660. The virus supernatant was prepared by centrifugation followed by filtration through a 0.45 µm filter. HRP-20127 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-20127 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: PT macaque PBMC

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

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, NIAID, NIH: Simian Immunodeficiency Virus, SIVsmE660 uncloned/PT71, HRP-20127, 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:

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NIH HIV Reagent Program

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References:

1. Hirsch, V. M., Personal Communication.
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.
3. Singh, S., et al. "Control of Heterologous Simian Immunodeficiency Virus SIVsmE660 Infection by DNA and Protein Coimmunization Regimens Combined with Different Toll-Like-Receptor-4-Based Adjuvants in Macaques." J. Virol. 92 (2018): e00281-18. PubMed: 29793957.

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