



Product Information Sheet for HRP-20128

Simian Immunodeficiency Virus, SIVsun (Sun-tailed monkey)

Catalog No. HRP-20128

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

Lot No. 70052642

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: SIVsun

ORIGINAL SOURCE: Simian Immunodeficiency Virus (SIV), SIVsun was isolated from peripheral blood mononuclear cells (PBMC) of a sun-tailed monkey (*Cercopithecus lhoesti solatus*) from a small collection of nonhuman primates in France.^{1,2}

COMMENTS: This uncloned virus is infectious and pathogenic (AIDS-inducing) in pig-tailed (PT) macaques.³ The complete genome of SIVsun has been sequenced (GenBank: [AF131870.1](#)).

Material Provided:

Each vial contains approximately 1.0 mL of supernatant from PT macaque PBMC infected with SIVsun. The virus supernatant was prepared by centrifugation followed by filtration through a 0.45 µm filter. HRP-20128 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-20128 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

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, SIVsun (Sun-tailed monkey), HRP-20128, 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/bmbl5/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. Beer, B. E., et al. "Simian Immunodeficiency Virus (SIV) from Sun-Tailed Monkeys (*Cercopithecus solatus*): Evidence for Host-Dependent Evolution of SIV within the *C. lhoesti* Superspecies." J. Virol. 73 (1999): 7734-7744. PubMed: 10438863.
3. Beer, B. E., et al. "Immunodeficiency in the Absence of High Viral Load in Pig-Tailed Macaques Infected with Simian Immunodeficiency Virus SIVsun or SIVlhoest." J. Virol. 79 (2005): 14044-14056. PubMed: 16254339.

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