



Product Information Sheet for HRP-20130

Simian Immunodeficiency Virus, SIVhoest-485 (34B)

Catalog No. HRP-20130

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

Lot No. 70053283

For research use only. Not for use in humans.

Contributor and Manufacturer:

Vanessa M. Hirsch, D.V.M., D.Sc., Laboratory of Molecular Biology, National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), Bethesda, Maryland, USA

Product Description:

VIRUS CLASSIFICATION: *Retroviridae, Lentivirus*

SPECIES: Simian immunodeficiency virus

STRAIN/ISOLATE: SIVhoest-485 (34B)

ORIGINAL SOURCE: Simian immunodeficiency virus (SIV), SIVhoest-485 (34B) was isolated in 2000 from peripheral blood mononuclear cells (PBMC) of a wild-caught L'Hoest monkey in the Democratic Republic of Congo by cocultivation with the human T-cell line Molt4-Clone8 (M4C8).^{1,2}

COMMENTS: A nearly full-length genome sequence of SIVhoest-485 (34B) is available (GenBank: [AF188115.1](#)).² Although this strain has not been evaluated *in vivo*, a similar isolate from a zoo animal was demonstrated to induce AIDS in pig-tailed macaques.³

Material Provided:

Each vial contains approximately 1.0 mL of supernatant from infected CEMss cells. The virus supernatants were prepared by centrifugation followed by filtration through a 0.45 µm filter. HRP-20130 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-20130 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: CEMss cells

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, SIVhoest-485 (34B), HRP-20130, 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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NIH HIV Reagent Program

www.hivreagentprogram.org

E-mail: contact@HIVReagentProgram.org

Tel: 888-487-0727 | Fax: 703-365-2898

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References:

1. Hirsch, V. M., Personal Communication.
2. Beer, B., et al. "Patterns of Genomic Sequence Diversity Among Their Simian Immunodeficiency Viruses Suggest that L'Hoest Monkeys (*Cercopithecus lhoesti*) are a Natural Lentivirus Reservoir." J. Virol. 74 (2000): 3892-3898. PubMed: 10729165.
3. Hirsch, V., et al. "Characterization of a Novel Simian Immunodeficiency Virus (SIV) from L'Hoest Monkeys (*Cercopithecus lhoesti*): Implications for the Origins of SIVmnd and Other Primate Lentiviruses." J. Virol. 73 (1999): 1036-1045. PubMed: 9882304.

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