Product Information Sheet for NR-3230

Simian Virus 5, 21005-2WR (formerly Parainfluenza Virus 2, SV-5)

Catalog No. NR-3230

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

Lot (NIAID catalog) No. V-322-011-000

For research use only. Not for human use.

Contributor:

National Institutes of Allergy and Infectious Diseases, (NIAID), National Institutes of Health (NIH)

Product Description:

Reagent: Seed Virus
Virus Classification: *Paramyxoviridae, Rubulavirus*
Agent: Simian virus 5 (formerly parainfluenza virus 2, SV-5)
Strain/Isolate: 21005-2WR
NIAID Class: Research Reference Reagent
Donor (Identification Number): Dr. Robert Hull (Lot #18578)
Donor Passage History (# of passages):
Rhesus monkey kidney (10)
LLC-MK_2 (2)
LLC-MK_3 (3)
LLC-MK_2 (1)
Producer Passage History (# of passages):
African green monkey kidney (1)
Chicken embryo (12)

Material Provided/Storage:

Composition: Amniotic fluid (90%) and sucrose gelatin (10%)
Volume: 1.0 mL
Storage Temperature: -60°C or colder

Functional Activity:

Infectivity:
$TCID_{50}$:[1]
3.2 to 7.9×10^7 per mL (7-day old chicken embryo)
0.05 to 7.9×10^8 per mL (8-day old chicken embryo)
0.06 to 6.3×10^7 per mL (African green monkey kidney)
6.3×10^6 per mL (Rhesus monkey kidney)
Complement Fixation:
Conditions: 2 units of activated complement (C'); 2 hours at 37°C
Titer: 1:8
Hemagglutination:
Conditions: Guinea pig red blood cells; 30–60 minutes at room temperature
Titer: 1:640
Date of Last Test: June, 1969

Purity:

Serum Neutralization Breakthrough: Negative
Bacterial Sterility: Negative
Mycoplasma: Negative

Producer and Contract:

Pfizer and Company, Inc. PH-43-62-842

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Simian Virus 5, 21005-2WR, NR-3230."

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. 4th ed. Washington, DC: U.S. Government Printing Office, 1999. HHS Publication No. (CDC) 93-8395. This text is available online at www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.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 BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government make any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

References:

1. The Tissue Culture Infectious Dose 50% ($TCID_{50}$) endpoint is the 50% infectious endpoint in tissue culture. The $TCID_{50}$ is the dilution of virus that under the conditions of the assay can be expected to infect 50% of

Biodefense and Emerging Infections Research Resources Repository
P.O. Box 4137
Manassas, VA 20108-4137 USA
www.beiresources.org
800-359-7370
Fax: 703-365-2898
E-mail: contact@beiresources.org

the cultures inoculated, just as a Lethal Dose 50% (LD_{50}) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the $TCID_{50}$ provides a measure of the titer (or infectivity) of a virus preparation.
2. Hsiung, G. D., et al. "Studies of Parainfluenza Viruses. 3. Antibody Responses of Different Animal Species after Immunization." 94 (1965): 67–73. PubMed 14256977.
3. Hsiung, G. D. "Latent Virus Infections in Primate Tissues with Special Reference to Simian Viruses." Bacteriol. Rev. 32 (1968): 185–205. PubMed 4301532.

Biodefense and Emerging Infections Research Resources Repository
P.O. Box 4137
Manassas, VA 20108-4137 USA
www.beiresources.org

800-359-7370
Fax: 703-365-2898
E-mail: contact@beiresources.org