

Human Parainfluenza Virus 2, Greer

Catalog No. NR-3229

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Lot (NIAID catalog) No. V-322-001-020

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: Human parainfluenza virus 2

Strain/Isolate: Greer

NIAID Class: Research Reference Reagent

Donor: Dr. R. M. Chanock

Donor Passage History (# of passages):

Rhesus Monkey kidney (5)

Monkey kidney (3)

Producer Passage History (# of passages):

African green monkey kidney (4)

Material Provided/Storage:

Composition: Tissue culture fluid with 2% sucrose

Volume: 1.0 mL

Storage Temperature: -80°C or colder

Functional Activity:

Infectivity:

Conditions: African green monkey kidney

TCID₅₀:¹ 1.0 X 10⁸ per mL

Complement Fixation:

Conditions: 1.6–1.8 units of activated complement (C');
1 hour at 37°C

Titer: 1:8

Hemagglutination:

Conditions: Guinea pig red blood cells; 1 hour at 22°C

Titer: 1:40 to 1:80

Date of Last Test: March, 1967

Purity:

Serum Neutralization Breakthrough: Negative

Bacterial Sterility: Negative

Mycoplasma: Negative

Producer and Contract:

Flow laboratories, PH-43-66-953

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID,

NIH: Human Parainfluenza Virus 2, Greer, NR-3229."

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.

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References:

1. The Tissue Culture Infectious Dose 50% (TCID₅₀) endpoint is the 50% infectious endpoint in tissue culture. The TCID₅₀ is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the cultures inoculated, just as a Lethal Dose 50% (LD₅₀) is expected to kill half of the animals exposed. A

reciprocal of the dilution required to yield the TCID₅₀ provides a measure of the titer (or infectivity) of a virus preparation.

2. Chanock, R. M., et al. "Newly Recognized Myxoviruses from Children with Respiratory Disease." N. Engl. J. Med. 258 (1958): 207–213. PubMed 13504446.
3. Sever, J. L. "Application of a Microtechnique to Viral Serological Investigations." J. Immunol. 88 (1962): 320–329. PubMed 13910995.

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