

**Rhinovirus 20, 15-CV19**

**Catalog No. NR-51439**

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**Lot (NIAID Catalog) No. V-135-002-021**

**For research use only. Not for human use.**

**Contributor:**

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

**Manufacturer:**

Abbott Laboratories, under contract PH43-67-1355

**Product Description:**

Reagent: Seed Virus

Virus Classification: *Picornaviridae, Enterovirus*

Species: Rhinovirus 20

Strain/Isolate: 15-CV19

NIAID Class: Research Reference Reagent

Donor Passage History (# of passages):

Human cervical carcinoma (HeLa) cells (3)

Producer Passage History (# of passages):

HeLa cells (6)

Human embryonic lung (WI-38) cells (6)

**Material Provided:**

Composition: Cell lysate and supernatant from WI-38 cells  
infected with human rhinovirus 20, 15-CV19 in M-199  
culture media with penicillin and neomycin

Volume: 1.0 mL

**Packaging/Storage:**

Packaging: Glass ampoule

Storage Temperature: -60°C or colder

**Functional Activity:**

Infectivity:

Conditions: WI-38 cells

TCID<sub>50</sub>: 5 × 10<sup>5</sup> per mL

The Tissue Culture Infectious Dose 50% (TCID<sub>50</sub>) endpoint is the 50% infectious endpoint in tissue culture. The TCID<sub>50</sub> 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% (LD<sub>50</sub>) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID<sub>50</sub> provides a measure of the titer (or infectivity) of a virus preparation.

Date of Last Test: June 1977

**Purity:**

Serum Neutralization Breakthrough: Negative

Bacterial Sterility: Negative

Mycoplasma: Negative

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Rhinovirus 20, 15-CV19, NR-51439."

**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. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Fenters, J. D. "Propagation of Rhinovirus on WI-38 Cell Monolayers in Rolling Bottles." *Appl. Microbiol.* 15 (1967): 1460-1464. PubMed: 16349766.

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