

Rhinovirus 50, A2 #58

Catalog No. NR-51455

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Lot (NIAID Catalog) No. V-123-001-021

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 50

Strain/Isolate: A2 #58

NIAID Class: Research Reference Reagent

Source: Ohio State X 142

Donor Passage History (# of passages):

Human cervical carcinoma (HeLa) (3)

Producer Passage History (# of passages):

HeLa (7)

Human embryonic lung (Diploid) (WI-38) (4)

Material Provided:

Composition: Infected WI-38 cells in Medium 199 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

TCID₅₀: 2 × 10⁶ per mL

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.

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 50, A2 #58, NR-51455."

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/bmbli5/index.htm.

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References:

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

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