

Rhinovirus 20, 15-CV19

Catalog No. NR-56510

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Product Description:

Human Rhinovirus (HRV) 20, 15-CV19 does not have a precise isolation history. The freeze-dried preparation used to produce this item was prepared by Abbott Laboratories prior to 1977. NR-56501 lot 70051827 was produced by infecting *Homo sapiens* lung fibroblast cells (WI-38; ATCC® CCL-75™) and incubating in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 4 days at 33°C with 5% CO₂.

Passage History:

HeLa(9)WI-38(6)/WI-38(1) (Prior to deposit at BEI Resources/BEI Resources)

Lot: 70051827

Manufacturing Date: 30MAY2023

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in WI-38 Cells	Cell rounding and detachment	Cell rounding and detachment
Next-Generation Sequencing (NGS) of Complete Genome Using Illumina® MiSeq™ Platform	≥ 98% identity with RHV 20 (GenBank: FJ445120)	99.92% identity with RHV 20 (GenBank: FJ445120)
Titer by TCID ₅₀ Assay in WI-38 Cells by Cytopathic Effect ¹ (6 days at 33°C with 5% CO ₂)	Report results	8.9 × 10 ⁶ TCID ₅₀ /mL
Sterility (21-day incubation) Harpo's HTYE broth, 37°C and 26°C, aerobic ² Trypticase Soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C, aerobic	No growth No growth No growth No growth No growth No growth No growth	No growth No growth No growth No growth No growth No growth No growth
Mycoplasma Contamination Agar and broth culture (14-day incubation at 37°C) DNA detection by PCR of extracted Test Article nucleic acid	None detected None detected	None detected None detected

¹The Tissue Culture Infectious Dose 50% (TCID₅₀) endpoint is the 50% infectious endpoint in cell culture. The TCID₅₀ is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels 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.

²Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

/Sonia Bjorum Brower/

Sonia Bjorum Brower

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Technical Manager or designee, ATCC Federal Solutions

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