

Una Virus, MAC 150

Catalog No. NR-49912

Product Description:

Una virus (UNAV), MAC 150 was isolated from a sentinel hamster in Miranda Province, Venezuela, on October 12, 1997. NR-49912 lot 70057131 was produced by infecting *Cercopithecus aethiops* kidney epithelial cells (Vero; ATCC® CCL-81™) with seed material (BEI Resources lot 63856769) and incubating in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 3 days at 37°C with 5% CO₂.

Passage History:

V(1)/V(2) (Prior to deposit at BEI Resources/BEI Resources); V(#) = Number of passages in Vero cells

Lot: 70057131

Manufacturing Date: 21NOV2022

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in Vero Cells	Cell rounding and detachment	Cell rounding and detachment
Sequencing of Species-Specific Region (~ 750 nucleotides)	≥ 98% identity with UNAV, MAC 150 (GenBank: DQ487375)	99.7% identity with UNAV, MAC 150 (GenBank: DQ487375)
Titer by TCID ₅₀ Assay in Vero Cells by Cytopathic Effect ¹ (4 days at 37°C with 5% CO ₂)	Report results	1.6 × 10 ⁷ TCID ₅₀ per 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 Bjorun Brower/

Sonia Bjorun Brower

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Technical Manager or designee, ATCC Federal Solutions

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