

Una Virus, MAC 150

Catalog No. NR-49912

Product Description: Cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero)¹ infected with Una virus, MAC 150

Passage History: V1/V2 (Prior to deposit at BEI Resources/BEI Resources); X = unknown, V# = Number of passages in Vero cells²

Lot³: 63856768

Manufacturing Date: 04MAR2016

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in Vero Cells¹	Cell rounding and detachment	Cell rounding and detachment
Whole Genome Sequencing (11901 nucleotides)	Consistent with Una virus	Consistent with Una virus ⁴
Titer by TCID₅₀ Assay^{5,6} in Vero Cells¹	Report results	2.8 × 10 ⁸ TCID ₅₀ per mL
Sterility (21-day incubation) Harpo's HTYE broth ⁷ , 37°C and 26°C, aerobic 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 and 5% CO ₂	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

¹Vero cells: ATCC® CCL-81™

²The first virus passage at BEI Resources was performed by lipofectamine-mediated transfection of extracted viral nucleic acid in order to remove contaminating mycoplasma.

³Grown in Eagle's Minimum Essential Medium containing Earle's Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate and 1.5 g/L of sodium bicarbonate (ATCC® 30-2003) supplemented with 2% fetal bovine serum (ATCC® 30-2020) for 1 day at 37°C with 5% CO₂.

⁴The complete genomic sequence obtained for NR-49912 at BEI Resources has >99% identity with the limited sequence available for Una virus, MAC 150 (GenBank: DQ487375), and is also highly similar to other Una virus sequences in the NCBI database.

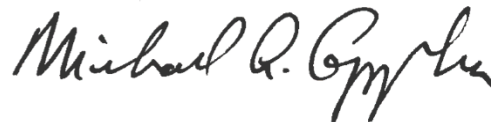
⁵The Tissue Culture Infectious Dose 50% (TCID₅₀) endpoint is the 50% infectious endpoint in cell culture. The TCID₅₀ is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD₅₀) is expected to kill half 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.

⁶4 days at 37°C and 5% CO₂

⁷Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 22 NOV 2016

Signature:



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