

Sandfly Fever Naples Virus

Catalog No. NR-15571

Product Description: Cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero)¹ infected with sandfly fever Naples virus (SFNV)

Passage History: X47SM2/V8 (Prior to deposit at BEI/BEI); X# = Number of passages in unknown host; SM# = Number of passages in suckling mice; V# = Number of passages in Vero cells

Lot²: 61566987

Manufacturing Date: 17DEC2014

TEST	SPECIFICATIONS	RESULTS
Infectivity in Vero Cells¹	Report results	Cell rounding and degeneration
Sequencing of SFNV-Specific Sequence (876 nucleotides)	Consistent with SFNV	99% identity with SFNV (GenBank: HM566172)
Titer by TCID₅₀ Assay in Vero Cells With CPE Readout^{1,3,4}	Report results	1.6 x 10 ⁶ TCID ₅₀ /mL
Sterility (21-day incubation) Harpo's HTYE broth ⁵ , 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 Test Article nucleic acid	None detected None detected	None detected None detected

¹Vero cells: ATCC[®] CCL-81™

²Grown in Eagle's Minimum Essential Medium containing Earle's Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate (ATCC[®] 30-2003) and 8% fetal bovine serum (ATCC[®] 30-2020) for 12 days at 37°C with 5% CO₂

³The Tissue Culture Infectious Dose 50% (TCID₅₀) 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.

⁴11 days at 37°C with 5% CO₂

⁵Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 14 APR 2015

Signature: 

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