

Sandfly Fever Sicilian Virus

Catalog No. NR-15570

Product Description: Cell lysate and supernatant from *Mesocricetus auratus* BHK-21 kidney cells¹ infected with Sandfly fever Sicilian virus (SFSV)

Passage History: X32,SM4/C4 (Prior to deposit at BEI/BEI); X# = Number of passages in unknown host; SM# = Number passages in suckling mice; C# = Number passages in BHK-21 cells

Lot²: 59538242

Manufacturing Date: 19NOV2012

TEST	SPECIFICATIONS	RESULTS
Infectivity in BHK-21 Cells¹	Report results	Cell rounding and detachment
Sequencing of SFSV-Specific Sequence (876 nucleotides)	Consistent with SFSV	100% identity with SFSV (GenBank: U30500)
Titer by TCID₅₀ Assay in BHK-21 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

¹ATCC® CCL-10™


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 10% fetal bovine serum (ATCC® 30-2020) for 3 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.

⁴7 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: 26 JUL 2013

Signature: 

Title: Technical Manager, BEI Authentication or designee

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