

Hantaan Virus, Fojnica

Catalog No. NR-9370

This reagent is the tangible property of the U.S. Government.

Product Description: Cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero E6)¹ infected with Hantaan virus, Fojnica

Lot²: 61822257

Manufacturing Date: 11OCT2013

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in Vero E6 Cells ¹ Using RT-PCR ³	Report results	Infectious, no cytopathic effect ⁴
Sequencing of Species-Specific Region (312 nucleotides)	Consistent with Hantaan virus	Consistent with Hantaan virus ⁵
Titer by TCID ₅₀ Assay ⁶ in Vero E6 Cells ¹ Using RT-PCR ³	Report results	8.9 × 10 ⁵ TCID ₅₀ per mL
Amplification of Hantaan Virus Sequence by RT-PCR	~ 320 bp amplicon	~ 320 bp amplicon
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 Test Article nucleic acid	None detected None detected	None detected None detected

¹Vero E6 cells; ATCC® CRL-1586™

²Grown in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 14 days at 37°C and 5% CO₂

³RNA used for RT-PCR was extracted from infected cell lysate and supernatant after 14 days incubation at 37°C and 5% CO₂.

⁴Cytopathic effect is inconsistent; cellular degeneration may or may not be observed.

⁵Sequence information for Hantaan virus, Fojnica is not available in the NCBI database; nucleotide sequence obtained for NR-9370, Lot No. 61822257 is highly similar to several Hantaan virus strains.

⁶The 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.

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

Date: 05 JAN 2017

Signature:



BEI Resources Authentication

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

