

Hantaan Virus 76-118

Catalog No. NR-9367

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Product Description: Clarified supernatant from African green monkey cells (Vero E6) infected with Hantaan virus 76-118.

Lot¹: 58454299

Manufacturing Date: 2009

TEST	SPECIFICATIONS	RESULTS
Sequencing of Species-Specific Region	Consistent with Hantaan virus	Consistent with Hantaan virus
Titer by TCID₅₀/PCR Assay^{2,3} in Vero E6 Cells⁴	Report results	2.8 x 10 ⁵ TCID ₅₀ /mL
Functional Activity by RT-PCR Assay	~ 315 bp amplicon	~ 315 bp amplicon
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

¹Grown and deposited by Charles H. Calisher, Ph. D., Department of Microbiology, Immunology and Pathology, College of Veterinary Medicine and Biomedical Sciences, Colorado State University, Fort Collins, Colorado.

²The 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.

³14 days at 37°C and 5% CO₂; supernatants were harvested and tested for virus growth by RT-PCR using Hantaan virus segment S-specific primers.

⁴Vero E6 cells; ATCC® CRL-1586™

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

Date: 04 AUG 2011

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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