

Hantaan Virus 76-118

Catalog No. NR-9367

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Contributor and Manufacturer:

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Product Description:

Virus Classification: *Bunyaviridae, Hantavirus*

Species: Hantaan virus

Strain: 76-118

Original Source: Hantaan virus 76-118 was isolated from the lung tissue of a striped field mouse (*Apodemus agrarius coreae*, *A. a. coreae*) captured in Gyeonggi Province, Republic of Korea, on June 23, 1976.¹ After five passages in *A. a. coreae*, the virus was propagated in cultured human lung carcinoma cells (A549; ATCC[®] CCL-185[™]).²

Comments: Hantaan virus is the etiologic agent of Korean hemorrhagic fever^{1,2}, one of a group of similar hemorrhagic fevers with renal syndrome (HFRS) caused by hantavirus infection.³ The complete nucleotide sequence of the M segment of Hantaan virus 76-118 has been determined (GenBank: Y00386).⁴

Material Provided:

Each vial contains approximately 1 mL of clarified supernatant from African green monkey cells (Vero E6; ATCC[®] CRL-1586[™]) infected with Hantaan virus 76-118.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:

NR-9367 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -70°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:

Host: Vero E6 cells (ATCC[®] CRL-1586)

Growth Medium: Eagle's Minimum Essential Medium supplemented with 2% fetal bovine serum, 1% L-glutamine and 1% sodium pyruvate

Infection: Cells should be approximately 50% confluent

Incubation: 12 to 14 days at 37°C and 5% CO₂

Cytopathic Effect: None observed

Citation:

Acknowledgment for publications should read "The following

reagent was obtained through BEI Resources, NIAID, NIH: Hantaan Virus 76-118, NR-9367."

Biosafety Level: 3

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm.

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References:

1. Lee, H. W., et al. "Isolation of the Etiologic Agent of Korean Hemorrhagic Fever." J. Infect. Dis. 137 (1978): 298-308. PubMed: 24670.
2. French, G. R., et al. "Korean Hemorrhagic Fever: Propagation of the Etiologic Agent in a Cell Line of Human Origin." Science 211 (1981): 1046-1048. PubMed: 6110243.

3. Lee, H. W. and G. van der Groen. "Hemorrhagic Fever with Renal Syndrome." Prog. Med. Virol. 36 (1989): 62-102. PubMed: 2573914.
4. Yoo, D. W. and C. Y. Kang. "Nucleotide Sequence of the M Segment of the Genomic RNA of Hantaan Virus 76-118." Nucleic Acids Res. 15 (1987): 6299-6300. PubMed: 3114716.

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