

## Hantaan Virus, Fojnica

### Catalog No. NR-9370

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### For research use only. Not for human use.

#### Contributor:

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#### Manufacturer:

BEI Resources

#### Product Description:

Virus Classification: *Bunyaviridae, Hantavirus*

Species: Hantaan virus

Strain: Fojnica

Original Source: Hantaan virus, Fojnica was isolated from the lung tissue of a yellow-necked field mouse (*Apodemus flavicollis*) captured in Fojnica, Bosnia and Herzegovina, in 1984.<sup>1</sup>

Comments: Hantaan virus is the etiologic agent of Korean hemorrhagic fever<sup>2,3</sup>, one of a group of similar hemorrhagic fevers with renal syndrome (HFRS) caused by hantavirus infection.<sup>4</sup> The Fojnica variant may be responsible for clinically severe cases of HFRS in the republics of the former Yugoslavia.<sup>1,5</sup>

#### Material Provided:

Each vial contains approximately 1 mL of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero E6; ATCC® CRL-1586™) infected with Hantaan virus, Fojnica.

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

#### Packaging/Storage:

NR-9370 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°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

Infection: Cells should be 60% to 70% confluent

Incubation: 13 to 14 days at 37°C and 5% CO<sub>2</sub>

Cytopathic Effect: Inconsistent; cellular degeneration may or may not be observed; confirmation of infectivity by RT-PCR is recommended.

#### Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Hantaan Virus, Fojnica, NR-9370."

#### 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, 2009; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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#### References:

1. Gligić, A., et al. "Hemorrhagic Fever with Renal Syndrome in Yugoslavia: Antigenic Characterization of Hantaviruses Isolated from *Apodemus flavicollis* and *Clethrionomys glareolus*." Am. J. Trop. Med. Hyg. 41 (1989): 109-115. PubMed: 2569846.

2. Lee, H. W., et al. "Isolation of the Etiologic Agent of Korean Hemorrhagic Fever." J. Infect. Dis. 137 (1978): 298-308. PubMed: 24670.
3. 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.
4. Lee, H. W. and G. van der Groen. "Hemorrhagic Fever with Renal Syndrome." Prog. Med. Virol. 36 (1989): 62-102. PubMed: 2573914.
5. Gligić, A., et al. "Epidemic Hemorrhagic Fever with Renal Syndrome in Yugoslavia, 1986." Am. J. Trop. Med. Hyg. 41 (1989): 102-108. PubMed: 2569845.

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