

## Genomic RNA from Heartland Virus, MO-4

Catalog No. NR-50078

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

### Contributor:

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### Manufacturer:

BEI Resources

### Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero: ATCC® CCL-81™) infected with Heartland virus (HRTV), MO-4.

HRTV, MO-4 was isolated from a human in Missouri, USA, in 2009.<sup>1</sup> Complete nucleotide sequences of the small (S; GenBank: JX005842, JX005843), medium (M; GenBank: JX005844, JX005845), and large (L; GenBank: JX005846, JX005847) RNA genome segments of HRTV have been determined.

NR-50078 has been qualified for PCR applications by amplification of an approximately 1000 nucleotide sequence. Recommended dilutions for successful RT-PCR amplification are indicated on the Certificate of Analysis for each lot.

### Material Provided:

Each vial contains 100 µL of viral genomic RNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.0). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA. The vial should be centrifuged prior to opening.

### Packaging/Storage:

NR-50078 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

### Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Genomic RNA from Heartland Virus, MO-4, NR-50078."

### Biosafety Level: 1

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. McMullan, L. K., et al., "A New Phlebovirus Associated with Severe Febrile Illness in Missouri." N. Engl. J. Med. 367 (2012): 834-841. PubMed: 22931317.

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