

Genomic RNA from Human Metapneumovirus, TN/91-316

Catalog No. NR-46442

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 *Macaca mulatta* kidney epithelial cells (LLC-MK2 Derivative; ATCC® CCL-7.1™) infected with human metapneumovirus (HMPV), TN/91-316. HMPV, TN/91-316 was isolated in 1991 from a human specimen collected in Tennessee, USA.^{1,2} Additional information for HMPV TN/91-316 is available at the [Virus Pathogen Resource](#). The complete genome of the TN/91-316 isolate has been sequenced (GenBank: [KC403971](#)). TN/91-316 is classified as a type B2 virus.²

Nucleotide sequencing of HMPV, TN/91-316 performed at BEI Resources is consistent with the complete genome sequence (GenBank: KC403971) but not with the partial sequence (GenBank: JF929875) reported by Yang et al.² The reason for the discrepancy between the two published sequences is not clear.

NR-46442 has been qualified for PCR applications by amplification of approximately 1000 base pairs of the RNA-directed RNA polymerase L gene. Recommended dilutions for successful RT-PCR amplification are indicated on the Certificate of Analysis for each lot.

Material Provided:

Each vial contains approximately 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-46442 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 Human Metapneumovirus, TN/91-316, NR-46442."

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.

Disclaimers:

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References:

- Williams, J. V., Personal Communication.
- Yang, C. F., et al. "Human Metapneumovirus G Protein is Highly Conserved within but not between Genetic Lineages." *Arch. Virol.* 158 (2013): 1245-1252. PubMed: 23385328.

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