

Genomic RNA from Nipah Virus, 200401066 Bangladesh

Catalog No. NR-50800

For research use only. Not for use in humans.

Contributor:

World Reference Center for Emerging Viruses and Arboviruses, University of Texas Medical Branch, Galveston, Texas, USA, under government contract

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 Nipah Virus, 200401066 Bangladesh. Nipah virus (NV) is one of two species in the genus *Henipavirus*, in the family *Paramyxoviridae*. NV and Hendra virus (HV) differ from other paramyxoviruses in that they both have a broad range of hosts, both *in vivo* and *in vitro*.¹ NV was first isolated in 1998 and 1999 in Malaysia in humans closely associated with pigs.¹ In May 2004, NV was isolated at Centers for Disease Control and Prevention, Atlanta, Georgia, USA, in a human outbreak in Bangladesh which resulted in a case-fatality rate of nearly 75%.² Although at first it was believed that human-to-human transmission did not occur, it has since been determined that it does.² It has been detected on surfaces as well, and nosocomial infections are not infrequent.²

Material Provided:

Each vial contains approximately 100 µL of viral genomic RNA in nuclease-free water. 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-50800 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 Nipah Virus, 200401066 Bangladesh, NR-50800.”

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. 6th ed.

Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmb15/index.htm.

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References:

1. Harcourt, B. H., et al. “Genetic Characterization of Nipah Virus, Bangladesh, 2004.” *Emerg. Infect. Dis.* 11 (2005): 1594-5197. PubMed: 16318702.
2. Gurley, E. S., et al. “Person-to-Person Transmission of Nipah Virus in a Bangladeshi Community.” *Emerg. Infect. Dis.* 13 (2007): 1031-1037. PubMed: 18214175.

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