

Genomic RNA from Measles Virus, Edmonston

Catalog No. NR-44104

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Derived from NIAID Catalog No. V-328-001-020

For research use only. Not for use in humans.

Contributor:

National Institute of Allergy and Infectious Diseases (NIAID),
National Institutes of Health (NIH), USA

Manufacturer:

BEI Resources

Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from fetal human lung fibroblast cells (MRC-5, ATCC® CCL-171™) infected with measles virus (MV), Edmonston. MV, Edmonston was isolated from the blood of a human in the acute phase of typical measles in Massachusetts, USA, in 1954.¹ The complete genome of the Edmonston strain has been sequenced (GenBank: [K01711](#)).

NR-44104 has been qualified for PCR applications by amplification of approximately 1000 base pairs of the H 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). 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-44104 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 Measles Virus, Edmonston, NR-44104."

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/bmbl5/index.htm.

Disclaimers:

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References:

- Enders, J. F. and T. C. Peebles. "Propagation in Tissue Cultures of the Cytopathogenic Agents from Patients with Measles." *Proc. Soc. Exp. Biol. Med.* 86 (1954): 277-286. PubMed: 13177653.

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