

Measles Virus, Edmonston

Catalog No. NR-44362

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

For research use only. Not for human use.

Contributor:

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

Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Paramyxoviridae, Morbillivirus*

Species: Measles virus

Strain: Edmonston

Original Source: Measles virus (MV), Edmonston was isolated from the blood of a human in the acute phase of typical measles in Massachusetts, USA, in 1954.¹

Comments: NR-44362 was derived from BEI Resources NR-3847, a virus preparation from NIAID's historical repository. NR-3847 was passaged four times in MRC-5 cells (ATCC[®] CCL-171[™]) to produce NR-44362. The complete genome of the Edmonston strain has been sequenced (GenBank: [K01711](#)).

Material Provided:

Each vial contains approximately 1 mL of cell lysate and supernatant from fetal human lung fibroblast cells (MRC-5, ATCC[®] CCL-171[™]) infected with MV, Edmonston.

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

Packaging/Storage:

NR-44362 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: MRC-5 cells (ATCC[®] CCL-171[™])

Growth Medium: Eagle's Minimum Essential Medium with Earle's Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate, and 1500 mg/L sodium bicarbonate, supplemented with 2% fetal bovine serum.

Infection: Cells should be 80% to 100% confluent

Incubation: 8 to 14 days at 37°C and 5% CO₂

Cytopathic Effect: Shrinking and detachment

Citation:

Acknowledgment for publications should read "The following

reagent was obtained through BEI Resources, NIAID, NIH: Measles Virus, Edmonston, NR-44362."

Biosafety Level: 2

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.

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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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