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 use in humans.

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

Manufacturer:
BEI Resources

Product Description:

Virus Classification: Paramyxoviridae, Morbillivirus
Species: Measles virus
Strain/Isolate: Edmonston

Original Source: Measles virus (MeV), 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 human lung fibroblast cells (MRC-5, ATCC® CCL-171™) infected with MeV, 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: Human lung fibroblast cells (MRC-5; 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

Disclaimers:
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References:

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