

Measles Virus, Edmonston

Catalog No. NR-3847

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Lot (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

Product Description:

Reagent: Seed Virus

Virus Classification: *Paramyxoviridae, Morbillivirus*

Agent: Measles virus

Strain/Isolate: Edmonston

NIAID Class: Research Reference Reagent

Source: Dr. H. Kammer, Pfizer, Measles 167

Donor Passage History (# of passages):

Human embryonic kidney (24)

Human amnion (30)

Human amnion, AV3 (12)

Producer Passage History (# of passages):

African green monkey kidney (6)

Material Provided/Storage:

Composition: Tissue culture fluid with 2.5% sucrose

Volume: 1.0 mL

Storage Temperature: -60°C or colder

Functional Activity:

Infectivity:

Conditions: Human larynx carcinoma (HEp-2)

TCID₅₀:¹ 3.4 X 10⁴ per mL

Complement Fixation:

Conditions: 1.8 units of activated complement (C'); 30 minutes at 56°C

Titer: 1:32, 1:16

Hemagglutination:

Conditions: Monkey red blood cells; 1 hour at 35°C

Titer: 1:8

Date of Last Test: June, 1969

Note: BEI Resources was asked to distribute this virus preparation from NIAID's historical repository. Recent characterization information is not yet available.

Purity:

Serum Neutralization Breakthrough: Negative

Bacterial Sterility: Negative

Mycoplasma: Negative

Producer and Contract:

Flow Laboratories, PH43-66-953

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Measles Virus, Edmonston, NR-3847."

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, 2007; see www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm.

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References:

1. The Tissue Culture Infectious Dose 50% (TCID₅₀) endpoint is the 50% infectious endpoint in tissue culture. The TCID₅₀ is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the cultures inoculated, just as a Lethal Dose 50% (LD₅₀) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID₅₀ provides a measure of the titer (or infectivity) of a virus preparation.

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