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)
  TCID$_{50}$: 3.4 X 10$^7$ 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

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References:
1. The Tissue Culture Infectious Dose 50% (TCID$_{50}$) endpoint is the 50% infectious endpoint in tissue culture. The TCID$_{50}$ 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% (LD$_{50}$) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID$_{50}$ provides a measure of the titer (or infectivity) of a virus preparation.

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