Mumps Virus, Enders

Catalog No. NR-3846
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Lot (NIAID Catalog) No. V-325-001-000
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, Rubulavirus
Agent: Mumps virus
Strain/Isolate: Enders
NIAID Class: Research Reference Reagent
Source: ATCC #VR-106
Donor Passage History (# of passages):
Rhesus monkey kidney (unknown)
Chicken embryo (amnion) (17)
Chicken embryo (allantoic) (35)
Producer Passage History (# of passages):
Chicken embryo (allantoic) (10)

Material Provided/Storage:
Composition: 90% allantoic fluid and 10% sucrose gelatin
Volume: 1.0 mL
Storage Temperature: -60°C or colder

Functional Activity:
Infectivity:
Conditions: Rhesus monkey kidney
TCID50: 1 X 10<sup>5</sup> – 1.6 X 10<sup>6</sup> per mL
Conditions: Human amnion
TCID50: 5 X 10<sup>4</sup> per mL
Conditions: 8-day chicken embryo (allantoic)
TCID50: 3.2 X 10<sup>7</sup> per mL
Complement Fixation:
Conditions: 2 units of activated complement (C'); 2 hours
at 37°C
Titer: 1:51
Hemagglutination:
Conditions: Chicken red blood cells; 1 hour at room
temperature
Titer: 1:640

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:
Chas. Pfizer and Company, Inc., PH-43-62-842

Citation:
Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Mumps Virus, Enders, NR-3846.”

Biosafety Level: 2

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


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