Human Parainfluenza Virus 4a, M-25

Catalog No. NR-3237
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Contributor:
National Institutes of Allergy and Infectious Disease, National Institutes of Health

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

Product Description:
Reagent: Seed Virus

Virus Classification: Paramyxoviridae, Rubulavirus
Agent: Human parainfluenza virus 4a
Strain/Isolate: M-25
NIAID Class: Research Reference Reagent
Donor (Identification #): Dr. Robert Chanock (10/06/1959)
Donor Passage History (# of passages):
Rhesus monkey kidney (7)
Producer Passage History (# of passages):
Rhesus monkey kidney (7)

Note: BEI Resources was asked to distribute this virus preparation from NIAID’s historical repository. Historical characterization information is shown below in the Functional Activity and Purity sections (tests performed in June, 1969). Recent characterization information is shown on the Certificate of Analysis.

Material Provided/Storage:
Composition: Basal Medium Eagle with 0.2% SV-5 rabbit antiserum and 10% sucrose gelatin
Volume: 1.0 mL
Storage Temperature: -60°C or colder

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

Functional Activity (June 1969):
Infectivity:
Conditions: Rhesus Monkey kidney
TCID<sub>50</sub>: 6.3 X 10<sup>5</sup> per mL

Purity (June 1969):
Serum Neutralization Breakthrough: Negative
Bacterial Sterility: Negative
Mycoplasma: Negative

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Human Parainfluenza Virus 4a, M-25, NR-3237.”

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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