Feline Infectious Peritonitis Virus (FIPV), 79-1146, Chemically Inactivated

Catalog No. NR-737
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For research use only. Not for human use.

Contributor:
BEI Resources

Manufacturer:
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Product Description:

Virus Classification: Nidovirales, Coronaviridae,
Coronavirus, Group 1
Agent: Feline infectious peritonitis virus (FIPV), chemically inactivated
Strain/Isolate: 79-1146
Original Source: Isolated from tissue pool of lung, liver, and spleen of a 4-day-old domestic cat with pneumonia and pleuritis upon neonate death

Material Provided:
Each vial contains approximately 1 mL of cell lysate and supernatant from Crandell Rees feline kidney (CRFK) cells infected with FIPV, 79-1146. The suspension of cell lysate and supernatant was treated with binary ethyleneimine to inactivate the virus.

Packaging/Storage:
NR-737 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. Freeze-thaw cycles should be avoided.

Growth Conditions Prior to Inactivation:
Host: CRFK cells
Medium: Minimum Essential Medium supplemented with 2% fetal bovine serum, or equivalent
Infection: Within 48 hours
Incubation: 72 hours at 37°C
Cytopathic Effect: Multinucleated giant cells within 48 hours followed by rapid cell rounding and detachment
Alternate Host: Felis catus whole fetus (fcwf) cells
Note: FIPV cross reacts with antigens to feline coronavirus, feline infectious peritonitis (NOR15), and canine coronavirus (1-71).

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Feline Infectious Peritonitis Virus (FIPV), 79-1146, Chemically Inactivated, NR-737."

Biosafety Level: 1

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References:


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