

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

Catalog No. NR-737

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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

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, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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