**Product Information Sheet for NR-43287**

Alphacoronavirus 1, 79-1146 [formerly Feline Infectious Peritonitis Virus (FIPV)]

Catalog No. NR-43287

For research use only. Not for use in humans.

**Contributor:**
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**Manufacturer:**
BEI Resources

**Product Description:**

**Virus Classification:** Coronaviridae, Coronavirinae, Alphacoronavirus

**Species:** Alphacoronavirus 1 [formerly feline infectious peritonitis virus (FIPV), feline coronavirus]¹

**Strain/Isolate:** 79-1146

**Original Source:** FIPV, 79-1146 was isolated from a 4-day-old domestic cat diagnosed with pneumonia and pleuritis upon neonatal death.²,³

**Comment:** The complete genome sequence of FIPV, 79-1146 is available (GenBank: AY994055).⁴

NR-43287 was derived from BEI Resources NR-736 by removal of contaminating mycoplasma. This process required six additional passages in Crandell Rees feline kidney (CRFK) cells (ATCC® CCL-94™). NR-736 is no longer available.

**Material Provided:**
Each vial contains approximately 1 mL of cell lysate and supernatant from CRFK cells infected with alphacoronavirus 1, 79-1146.

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

**Packaging/Storage:**
NR-43287 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. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

**Growth Conditions:**

**Host:** Crandell Rees feline kidney cells (CRFK; ATCC® CCL-94™)

**Medium:** Eagle’s Minimum Essential Medium with Earle’s Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate and 1500 mg per L sodium bicarbonate, supplemented with 2% fetal bovine serum

**Infection:** Cells should be approximately 80% confluent

**Incubation:** 2 to 7 days at 37°C and 5% CO₂

**Cytopathic Effect:** Cell rounding and detachment

**Alternate Host:** *Felis catus* whole fetus (FCWF) cells⁵

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Alphacoronavirus 1, 79-1146 [formerly Feline Infectious Peritonitis Virus (FIPV)], NR-43287.”

**Biosafety Level:** 2


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References:

1. [ICTV Taxonomy History for Alphacoronavirus](#)

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