**Product Information Sheet for NR-43287**

**Alphacoronavirus 1, 79-1146**  
(formerly Feline Infectious Peritonitis Virus)

**Catalog No. NR-43287**
Derived from BEI Resources NR-736

For research use only. Not for human use.

**Contributor:**  
BEI Resources

**Manufacturer:**  
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**Product Description:**
- **Virus Classification:** Coronaviridae, Coronavirinae, Alphacoronavirus
- **Species:** Alphacoronavirus 1 (formerly feline infectious peritonitis virus (FIPV), feline coronavirus)  
- **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.  
- **Comment:** The complete genome sequence of FIPV, 79-1146 is available (GenBank: AY994055).  

**Material Provided:**
- **Virus:** NR-43287 was derived from BEI Resources NR-736 by removal of contaminating mycoplasma. This process required six additional passages in 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 Crandell Rees feline kidney (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 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:**
- **Host:** CRFK cells (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/L sodium bicarbonate, supplemented with 2% fetal bovine serum
- **Infection:** Cells should be ~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) cells

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Alphacoronavirus 1, 79-1146, NR-43287.”

**Biosafety Level:** 2

**Disclaimers:**
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References:
1. ICTV Taxonomy History for Alphacoronavirus 1

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