Genomic RNA from Alphacoronavirus 1 (Feline Infectious Peritonitis Virus), 79-1146

Catalog No. NR-49097

For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:
Genomic RNA was isolated from a preparation of cell lysate and supernatant from Crandell Rees feline kidney cells (CRFK; ATCC® CCL-94™) infected with alphacoronavirus 1, 79-1146. Alphacoronavirus 1, 79-1146 was formerly known as feline infectious peritonitis virus (FIPV), 79-1146 or feline coronavirus (FCoV), 79-1146.1 Alphacoronavirus 1, 79-1146 was isolated from a 4-day-old domestic cat diagnosed with pneumonia and pleuritis upon neonatal death.2,3 The complete genome sequence of Alphacoronavirus 1 (FIPV), 79-1146 is available (GenBank: AY994055).

NR-49097 has been qualified for PCR applications by amplification of approximately 980 base pairs of the glycoprotein gene. Recommended dilutions for successful RT-PCR amplification are indicated on the Certificate of Analysis for each lot.

Material Provided:
Each vial contains 100 µL of viral genomic RNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.0). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA. The vial should be centrifuged prior to opening.

Packaging/Storage:
NR-49097 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH; Genomic RNA from Alphacoronavirus 1 (Feline Infectious Peritonitis Virus), 79-1146, NR-49097.”

Biosafety Level: 1

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References:
1. ICTV Taxonomy History for Alphacoronavirus 1

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