

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

**Catalog No. NR-43287**

Derived from BEI Resources NR-736

**Product Description:** Cell lysate and supernatant from Crandell Rees feline kidney (CRFK)<sup>1</sup> cells infected with Alphacoronavirus 1, 79-1146

**Lot<sup>2</sup>: 61617362**

**Manufacturing Date: 08NOV2013**

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in CRFK Cells <sup>1</sup>	Cell rounding and detachment	Cell rounding and detachment
Sequencing of Species-Specific Region (860 nucleotides)	Consistent with alphacoronavirus 1, 79-1146	99% identity with alphacoronavirus 1, 79-1146 (GenBank: AY994055)
Titer by TCID <sub>50</sub> Assay <sup>3,4</sup> in CRFK <sup>1</sup> Cells	Report results	1.6 × 10 <sup>5</sup> TCID <sub>50</sub> per mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>5</sup> , 37°C and 26°C, aerobic Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C and 5% CO <sub>2</sub>	No growth No growth No growth No growth No growth No growth No growth	No growth No growth No growth No growth No growth No growth No growth
<b>Mycoplasma Contamination</b> Agar and broth culture (14-day incubation at 37°C) DNA Detection by PCR of Test Article nucleic acid	None detected None detected	None detected None detected

<sup>1</sup>CRFK cells (ATCC® CCL-94™)

<sup>2</sup>Grown in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 3 days at 37°C and 5% CO<sub>2</sub>

<sup>3</sup>The Tissue Culture Infectious Dose 50% (TCID<sub>50</sub>) endpoint is the 50% infectious endpoint in cell culture. The TCID<sub>50</sub> is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD<sub>50</sub>) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID<sub>50</sub> provides a measure of the titer (or infectivity) of a virus preparation.

<sup>4</sup>7 days at 37°C and 5% CO<sub>2</sub>

<sup>5</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

**Date:** 31 OCT 2014

**Signature:** 

**Title:** Technical Manager, BEI Authentication or designee

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