

Feline Infectious Peritonitis Virus, 79-1146

Catalog No. NR-736

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Product Description: Cell lysate and supernatant from Crandell Rees feline kidney (CRFK) cells infected with the 79-1146 strain of feline infectious peritonitis virus.

Lot: 4469220

Manufacturing Date: 04JAN2005

TEST	SPECIFICATIONS	RESULTS
Cell Culture Immunofluorescence Assay ¹ on CRFK Cells	Report results	2.7 x 10 ⁶ fluorescent focus units/mL
Titer by TCID ₅₀ ² Assay in CRFK Cells	Report results	1 x 10 ⁶ TCID ₅₀ /mL
Antigen-Capture ELISA ³	Report results	1280
Sterility (21-day incubation) Harpo's HTYE broth ⁴ , 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 ₂	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
Mycoplasma Contamination Agar and broth culture (14-day incubation at 37°C) DNA Detection by PCR of Test Article nucleic acid	None detected None detected	Growth None detected

¹Welch, S. K. and L. J. Saif. "Monoclonal Antibodies to a Virulent Strain of Transmissible Gastroenteritis Virus: Comparison of Reactivity with Virulent and Attenuated Virus." *Arch Virol* 101 (1988): 221-235. PubMed: 2845894.

²The Tissue Culture Infectious Dose 50% (TCID₅₀) endpoint is the 50% infectious endpoint in cell culture. The TCID₅₀ 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% (LD₅₀) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID₅₀ provides a measure of the titer (or infectivity) of a virus preparation.

³Titer is expressed as the reciprocal of the highest dilution that resulted in a mean absorbance greater than the mean absorbance of the mock-infected control plus three standard deviations.

⁴Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 18 APR 2014

Signature: *Dorothy C. Young*

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