

Canine Coronavirus, UCD1, Chemically Inactivated

Catalog No. NR-869

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Product Description: Cell lysate and supernatant from canine tumor fibroblast (A-72) cells infected with the UCD1 strain of canine coronavirus (CCV). The suspension of cell lysate and supernatant was treated with binary ethyleneimine to inactivate the virus.

Lot: 4618585

Manufacturing Date: 18MAY2005

TEST	SPECIFICATIONS	RESULTS
Titer by TCID ₅₀ ¹ Assay ² in A-72 Cells	Report results	0 TCID ₅₀ /mL
Antigen-Capture ELISA ³	Report results	320
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	None detected None detected

¹The 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.

²CCV was detected using an anti-porcine transmissible gastroenteritis virus serum based upon cross-reactions of these two viruses. After horseradish peroxidase conjugated secondary antibody, CCV-infected cells were identified with aminoethylcarbazole/hydrogen peroxide substrate development system. Only stained cells were considered as virus-infected.

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: 20 JAN 2009

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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