

Canine Coronavirus, UCD1

Catalog No. NR-868

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Contributor:

NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH

Product Description:

Virus Classification: *Coronaviridae*, *Coronavirus*, Group 1

Species: Canine coronavirus (CCV)

Strain/Isolate: UCD1

Original Source: CCV, UCD1 was isolated from a dog with fatal gastroenteritis at a kennel in northern California.¹

Material Provided:

Each vial contains approximately 1 mL of cell lysate and supernatant from canine tumor fibroblast (A-72) cells infected with the UCD1 strain of CCV.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:

NR-868 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -70°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Growth Conditions:¹

Host: A-72 cells

Growth Medium: Minimum Essential Medium supplemented with 2% fetal bovine serum, or equivalent

Alternate Hosts: *Felis catus* whole fetus or swine testicular cells

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Canine Coronavirus, UCD1, NR-868."

Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm.

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References:

1. Wesley, R. D. "The S Gene of Canine Coronavirus, Strain UCD-1, is More Closely Related to the S Gene of Transmissible Gastroenteritis Virus than to that of Feline Infectious Peritonitis Virus." Virus Res. 61 (1999): 145-152. PubMed: 10475084.

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