

### Canine Coronavirus, UCD1, Chemically Inactivated

#### Catalog No. NR-869

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#### Contributor:

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#### Product Description:

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

Agent: Canine coronavirus (CCV), chemically inactivated with binary ethyleneimine

Strain/Isolate: UCD1

Original Source: CCV, UCD1 was isolated from dogs with fatal gastroenteritis at different kennels in northern California.<sup>1</sup>

#### 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. The suspension of cell lysate and supernatant was treated with binary ethyleneimine to inactivate the virus.

#### Packaging/Storage:

NR-869 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

#### Growth Conditions Prior to Inactivation:<sup>1</sup>

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, Chemically Inactivated, NR-869."

#### Biosafety Level: 1

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](http://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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