

Crandell Rees Feline Kidney Cells, Chemically Inactivated Mock-Infected Cell Control

Catalog No. NR-738

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Contributor:

BEI Resources

Manufacturer:

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Product Description:

NR-738 was produced to serve as a mock-infected Crandell Rees feline kidney (CRFK) cell control for use with products related to the 79-1146 strain of feline infectious peritonitis virus (BEI Resources NR-736, NR-737 and NR-2518). CRFK cells are an adherent epithelial cell line derived from the kidney of a healthy adult cat.

Material Provided:

Each vial contains approximately 1 mL of cell lysate and supernatant from mock-infected CRFK cells. The suspension of cell lysate and supernatant was treated with binary ethyleneimine to simulate virus inactivation.

Packaging/Storage:

NR-738 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.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Crandell Rees Feline Kidney (CRFK) Cells, Chemically Inactivated Mock-Infected Cell Control, NR-738."

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, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

- McKeirnan, A. J., et al. "Isolation of Feline Coronaviruses from Two Cats with Diverse Disease Manifestations." *Feline Pract.* 11 (1981): 16–20.
- Pedersen, N. C., et al. "Pathogenicity Studies of Feline Coronavirus Isolates 79-1146 and 79-1683." *Am. J. Vet. Res.* 45 (1984): 2580–2585. PubMed: 6084432.
- Haijema, B. J., et al. "Feline Infectious Peritonitis Virus, Complete Genome." Direct Submission, 30 Mar 2005. GenBank: AY994055.
- de Groot-Mijnes, J. D. F., et al. "Natural History of a Recurrent Feline Coronavirus Infection and the Role of Cellular Immunity in Survival and Disease." *J. Virol.* 79 (2005): 1036–1044. PubMed: 15613332.

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