

Canine Distemper Virus, Lederle Avirulent

Catalog No. NR-3845

This reagent is the property of the U.S. Government.

Lot (NIAID Catalog) No. V-329-002-017

For research use only. Not for human use.

Contributor:

National Institutes of Allergy and Infectious Diseases (NIAID),
National Institutes of Health

Product Description:

Reagent: Seed Virus

Virus Classification: *Paramyxoviridae, Morbillivirus*

Agent: Canine Distemper Virus

Strain/Isolate: Lederle Avirulent

NIAID Class: Research Reference Reagent

Source: Dr. Victor Cabasso

Donor Passage History (# of passages):

Chicken embryo (48)

Chicken embryo fibroblasts (39)

Producer Passage History (# of passages):

Chicken embryo fibroblasts (4)

Material Provided/Storage:

Composition: 90% chicken embryo and 10% sucrose gelatin

Volume: 1.0 mL

Storage Temperature: -60°C or colder

Functional Activity:

Infectivity:

Conditions: Chicken embryo

TCID₅₀: 3.2 X 10⁴ per mL

Date of Last Test: December, 1969

Note: BEI Resources was asked to distribute this virus preparation from NIAID's historical repository. Recent characterization information is not yet available.

Purity:

Serum Neutralization Breakthrough: Negative

Bacterial Sterility: Negative

Mycoplasma: Negative

Producer and Contract:

Chas. Pfizer and Company, PH-43-62-842

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Canine Distemper Virus, Lederle Avirulent, NR-3845."

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.

Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government make any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

References:

1. The Tissue Culture Infectious Dose 50% (TCID₅₀) endpoint is the 50% infectious endpoint in tissue culture. The TCID₅₀ is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the cultures 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.
2. Cabasso, V. J. "Contributions of Tissue Culture to Canine Hepatitis and Distemper Vaccination." *J. Am.*

- Vet. Med. Assoc. 136 (1960): 1–8. PubMed: 13806669.
3. Cabasso, V. J. and H. R. Cox. "A Distemper-Like Strain of Virus Derived from a Case of Canine Encephalitis: Its Adaptation to the Chick Embryo and Subsequent Modification." Cornell Vet. 42 (1952): 96–107. PubMed: 14905890.
 4. Cabasso, V. J. and H. R. Cox. "Propagation of Canine Distemper Virus on the Chorioallantoic Membrane of Embryonated Hen Eggs." Proc. Soc. Exp. Biol. Med. 71 (1949): 246–250. PubMed: 18146688.

ATCC® is a trademark of the American Type Culture Collection.