

Vaccinia Virus, Lederle-Chorioallantoic

Catalog No. NR-53

(Derived from ATCC® VR-118™)

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Contributor:

ATCC®

Product Description:

Virus Classification: *Poxviridae, Orthopoxvirus*

Agent: Vaccinia virus (VACV)

Strain/Isolate: Lederle-Chorioallantoic

Source: Derived from the New York City Board of Health (NYCBH) strain by passage in the chorioallantoic membrane of chicken embryos

Comments: The Lederle-Chorioallantoic strain of VACV was deposited at ATCC® in 1976 by Dr. H. M. Kroll of Lederle Laboratories, Pearl River, New York.

Material Provided:

Each vial contains approximately 1 mL of cell lysate and supernatant from chicken embryo fibroblast (SL-29) cells infected with VACV, Lederle-Chorioallantoic.

Packaging/Storage:

NR-53 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. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:

Host: SL-29 cells (ATCC® CRL-1590™)

Growth Medium: Dulbecco's Modified Eagle's Medium supplemented with 5% fetal bovine serum and 5% tryptose phosphate broth, or equivalent (lot-specific details are on the Certificate of Analysis)

Infection: Cells should be 80 to 90% confluent (not 100% confluent)

Incubation: 2 to 4 days at 37°C and 5% CO₂

Cytopathic Effect: Cell rounding and cell lysis

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Vaccinia Virus, Lederle-Chorioallantoic, NR-53."

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. 4th ed. Washington, DC: U.S. Government Printing Office, 1999. HHS Publication No. (CDC) 93-8395. This text is available online at www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm.

This publication recommends that all persons working in or entering laboratory or animal care areas where activities with vaccinia virus are being conducted should have documented evidence of satisfactory vaccination within the preceding ten years.

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References:

1. Ober, B. T., et al. "Immunogenicity and Safety of Defective Vaccinia Virus Lister: Comparison with Modified Vaccinia Virus Ankara." *J. Virol.* 76 (2002): 7713-7723. PubMed: 12097585.

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