Vaccinia Virus, Modified Vaccinia Ankara (MVA)

Catalog No. NR-1
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Contributor:
Linda S. Wyatt, Ph.D. and Bernard Moss, M.D., Ph.D., Chief, Laboratory of Viral Diseases, Division of Intramural Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, Maryland

Product Description:
Virus Classification: Poxviridae, Orthopoxvirus
Agent: Vaccinia virus (VACV)
Strain: Modified VACV Ankara (MVA)
Source: NIAID, NIH
Comments: The early passage history of MVA is complex. The complete genomic sequence of MVA has been determined (GenBank: U94848).

MVA is a highly attenuated strain of vaccinia virus and does not appear to replicate in most mammalian cells. Some experts feel MVA can be handled safely by trained personnel without the need for vaccination.

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

Packaging/Storage:
NR-1 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: 3 to 5 days at 37°C and 5% CO2
Cytopathic Effect: Rounding of cells 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, Modified Vaccinia Ankara (MVA), NR-1.”

Biosafety Level: 2

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References:

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