**Product Information Sheet for NR-1**

**Vaccinia Virus, Modified Vaccinia Ankara (MVA)**

**Catalog No. NR-1**

For research use only. Not for use in humans.

**Contributor:**
National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH)

**Manufacturer:**
BEI Resources

**Product Description:**

**Virus Classification:** Poxviridae, Orthopoxvirus

**Species:** Vaccinia Virus (VACV)

**Strain/Isolate:** Modified VACV Ankara (MVA)

**Original Source:** The early passage history of MVA is complex.1

**Comments:** The complete genomic sequence of MVA has been determined (GenBank: U94848).2

MVA is a highly attenuated strain of vaccinia virus and does not appear to replicate in most mammalian cells.3

**Material Provided:**
Each vial contains approximately 1.0 mL of cell lysate and supernatant from SL-29 chicken embryo fibroblast (CEF; ATCC® CRL-1590™) cells infected with VACV, MVA.

**Note:** If homogeneity is required for your intended use, please purify prior to initiating work.

**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:** Chicken embryo fibroblast (SL-29 CEF) cells (ATCC® CRL-1590™)

**Growth Medium:** Dulbecco’s Modified Eagle’s Medium with 5% fetal bovine serum and 5% tryptose phosphate broth, or equivalents

**Infection:** Cells should be 80% to 90% confluent

**Incubation:** 3 to 5 days at 37°C and 5% CO₂

**Cytopathic Effect:** Cell rounding and sloughing

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Vaccinia Virus, Modified Vaccinia Ankara (MVA), NR-1.”

**Biosafety Level:** 2


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**References:**


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