Vaccina Virus, Western Reserve (Mouse Adapted)

Catalog No. NR-56

(Derived from ATCC[®] VR-119[™])

For research use only. Not for use in humans.

Contributor: ATCC[®]

Manufacturer: BEI Resources

Product Description:

<u>Virus Classification</u>: *Poxviridae, Orthopoxvirus* <u>Species</u>: Vaccinia virus <u>Strain</u>: Western Reserve (mouse adapted)¹ <u>Original Source</u>: Vaccinia virus (VACV), Western Reserve

- (WR) was derived from the original New York City Board of Health (NYCBH) strain by intracerebral passages in mice.^{1,2}
- <u>Comments</u>: VACV, WR (mouse adapted) was deposited at ATCC[®] as VR-119[™] in 1949 by Walter Reed Army Institute of Research (WRAIR). VR-119 was used to produce the seed material of this preparation of VACV, WR (mouse adapted). The complete genomic sequence of VACV, Western Reserve has been determined (GenBank: <u>AY243312</u>).³

VACV, WR (mouse adapted) has been utilized in constructing vectors for gene expression and in producing viral proteins and DNA. 4,5

Material Provided:

Each vial contains approximately 1 mL of cell lysate and supernatant from *Cercopithecus aethiops* kidney cells (Vero; ATCC[®] CCL-81[™]) infected with VACV, WR (mouse adapted).

<u>Note</u>: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:

NR-56 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:

<u>Host</u>: *Cercopithecus aethiops* kidney cells (Vero; ATCC[®] CCL-81[™])

<u>Growth Medium</u>: Eagle's minimum essential medium modified to contain Earle's Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate, and 1500 milligrams per liter sodium bicarbonate supplemented with 2% fetal bovine serum, or equivalent

<u>Infection</u>: Cells should be approximately 80 to 90% confluent Incubation: 4 to 6 days at 37° C and 5% CO₂

Cytopathic Effect: Cell rounding and detachment

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Vaccinia Virus, Western Reserve (Mouse Adapted), NR-56."

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. <u>Biosafety in Microbiological and Biomedical Laboratories</u>. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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