**Product Information Sheet for NR-15489**

**Vaccinia Virus, Western Reserve, Recombinant Expressing Guanarito Virus, INH-95551 Z Protein**

**Catalog No. NR-15489**
This reagent is the property of the U.S. Government.

**For research use only. Not for human use.**

**Contributor:**
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**Manufacturer:**
BEI Resources

**Product Description:**

**Virus Classification:** Poxviridae, Orthopoxvirus  
**Agent:** Vaccinia virus  
**Strain:** rVACV-GTOV Z [Vaccinia virus (VACV), Western Reserve, recombinant expressing the Z protein of Guanarito virus (GTOV), INH-95551]  
**Source:** A cDNA clone containing the entire ORF encoding the Z protein from segment L of GTOV, INH-9551 was inserted into the pRB21 transfer vector, bringing it under the control of a synthetic VACV early/late promoter (PSYN). Recombinant VACV was made by transfecting the transfer plasmid into CV-1 cells infected with the VACV strain vRB12.

GTOV is an Arenavirus (Arenaviridae, Arenavirus) which is the etiologic agent of Venezuelan hemorrhagic fever.²,³

**Material Provided:**
Each vial contains approximately 1 mL of cell lysate and supernatant from Cercopithecus aethiops kidney epithelial cells (BSC-40, ATCC® CRL-2761™) infected with vaccinia virus, rVACV-GTOV Z.

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

**Packaging/Storage:**
NR-15489 was packaged aseptically, in screw-capped plastic cryovials. The product is provided frozen on dry ice 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:** BSC-40 cells (ATCC® CRL-2761™)

**Growth Medium:** Dulbecco’s Modified Eagle Medium supplemented with 10% fetal bovine serum, 1 mM sodium pyruvate and 2 mM L-glutamine  
**Infection:** Cells should be 90% to 100% confluent  
**Incubation:** 2 to 3 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, Western Reserve, Recombinant Expressing Guanarito Virus, INH-95551 Z Protein, NR-15489.”

**Biosafety Level:** 2

**Disclaimers:**
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