

Trocara Virus, PE 70009

Catalog No. NR-739

For research use only. Not for human use.

Contributor:

University of Texas Medical Branch, Galveston, Texas

Product Description:

Virus Classification: *Togaviridae, Alphavirus*

Species: Trocara virus

Strain/Isolate: PE 70009

Original Source: Isolated at the Army Medical Research Institute of Infectious Diseases (USAMRIID) from a Vero cell culture which was inoculated with a pool of female mosquitoes (*Aedes serratus*) collected in 1997 in a humid tropical forest near Iquitos, Loreto Department, Peru¹

Trocara virus is a newly recognized alphavirus which was isolated from mosquitoes (*Aedes serratus*) collected at two widely separated sites in the Amazon Basin in northern Brazil and northeastern Peru. Antigenic and genetic analyses demonstrate that Trocara virus likely represents a new antigenic complex in the genus *Alphavirus*. The public health and veterinary importance of Trocara virus is currently unknown.¹

Material Provided:

Each vial contains approximately 1 mL of cell lysate and supernatant from African green monkey kidney cells (VERO 76; ATCC[®] CRL-1587[™]) infected with Trocara virus, PE 70009.

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

Packaging/Storage:

NR-739 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: VERO 76 cells (ATCC[®] CRL-1587[™])

Growth Medium: Minimum Essential Medium supplemented with 2% irradiated fetal bovine serum, or equivalent (lot-specific details are on the Certificate of Analysis)

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

Incubation: 1 to 3 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: Trocara Virus, PE 70009, NR-739.”

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. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

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References:

1. Travassos da Rosa, A. P., et al. “Trocara Virus: A Newly Recognized *Alphavirus* (Togaviridae) Isolated

- from Mosquitoes in the Amazon Basin." Am. J. Trop. Med. Hyg. 64 (2001): 93–97. PubMed: 11425170.
2. Powers, A. M., et al. "Evolutionary Relationships and Systematics of the Alphaviruses." J. Virol. 75 (2001): 10118–10131. PubMed: 11581380.

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