Mayaro Virus, TRVL 4675
Catalog No. NR-49913

For research use only. Not for human use.

Contributor:
World Reference Center for Emerging Viruses and Arboviruses, University of Texas Medical Branch, Galveston, Texas, USA

Manufacturer:
BEI Resources

Product Description:

- **Virus Classification:** Togaviridae, Alphavirus
- **Species:** Mayaro virus
- **Strain/Isolate:** TRVL 4675

**Original Source:** TRVL 4675 is a prototype strain of Mayaro virus (MAYV). It was isolated from the serum of a human in Mayaro County, Trinidad on August 23, 1954, and contributed to WRCEVA by the Yale Arbovirus Research Unit, Rockefeller Funded Collection, Yale University, New Haven, Connecticut, USA.

**Comments:** MAYV, TRVL 4675 is a D genotype virus. Removal of contaminating mycoplasma required three additional virus passages at BEI Resources in the presence of Mycoplasma Removal Reagent (MRA).

MAYV is a New World alphavirus that is the etiologic agent of Mayaro fever, an acute febrile illness sometimes accompanied by severe and persistent arthritis. MAYV was first isolated in Trinidad in 1954, and there have been sporadic outbreaks of Mayaro fever in South America since. The enzootic transmission cycle of MAYV is not fully understood, but the occurrence of relatively large outbreaks of Mayaro fever and the competence of *Aedes* mosquitoes for transmission of MAYV suggest the potential for an urban human-mosquito-human transmission cycle to emerge.

There are two distinct genotypes of MAYV, D and L. Genotype D includes viruses isolated from all countries where MAYV has been detected, while genotype L strains have been found only in Brazil.

**Material Provided:**
Each vial contains approximately 1 mL of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells infected with MAYV, TRVL 4675.

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

**Packaging/Storage:**
NR-49913 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.

**Biosafety Level:** 2


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References:
1. Tesh, R. B., Personal Communication.

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