

**Mayaro Virus, Guyane**

**Catalog No. NR-49911**

**Product Description:**

Mayaro virus (MAYV), Guyane was isolated from a human in Guyane, French Guiana on February 28, 1996, and contributed to WRCEVA by A. Talarmin, of the Institut Pasteur de la Guyane, Cayenne, French Guiana. NR-49911 was produced by infecting *Chlorocebus aethiops* kidney epithelial cells (Vero; ATCC® CCL-81™) with BEI Resources seed lot 63856766 and incubating in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 2 days at 37°C with 5% CO<sub>2</sub> to produce this lot.

**Passage History:**

X;V(1)/V(3) (Prior to deposit at BEI Resources/BEI Resources); X = unknown, V = Vero cells

**Lot: 70075834**

**Manufacturing Date: 08MAY2025**

TEST	SPECIFICATIONS	RESULTS
<b>Identification by Infectivity in Vero Cells</b>	Cell rounding and detachment	Cell rounding and detachment
<b>Sequencing of Species-Specific Region</b> NSP gene (~ 740 nucleotides)	≥ 98% sequence identity with Mayaro virus, Guyane (GenBank: DQ487385)	100% sequence identity with Mayaro virus, Guyane (GenBank: DQ487385)
<b>Titer by TCID<sub>50</sub> Assay in Vero Cells by Cytopathic Effect<sup>1</sup></b> (6 days at 37°C with 5% CO <sub>2</sub> )	Report results	5.0 × 10 <sup>7</sup> TCID <sub>50</sub> /mL
<b>Sterility test (BacT/ALERT 3D)</b> iAST bottle (aerobic) at 32.5°C, 14-day incubation iNST bottle (anaerobic) at 32.5°C, 14-day incubation	No growth No growth	No growth No growth
<b>Mycoplasma Contamination</b> Agar and broth culture (14-day incubation at 37°C) DNA detection by PCR of extracted Test Article nucleic acid	None detected None detected	None detected None detected

<sup>1</sup>The Tissue Culture Infectious Dose 50% (TCID<sub>50</sub>) endpoint is the 50% infectious endpoint in cell culture. The TCID<sub>50</sub> is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD<sub>50</sub>) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID<sub>50</sub> provides a measure of the titer (or infectivity) of a virus preparation.

/Sonia Bjorum Brower/

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03 JULY 2025

Technical Manager or designee, ATCC Federal Solutions

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