

Genomic RNA from Mayaro Virus, Uruma

Catalog No. NR-50084

Product Description: Genomic RNA was isolated from a preparation of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells¹ infected with Mayaro virus (MAYV), Uruma.

Lot²: 70007021

Manufacturing Date: 16AUG2017

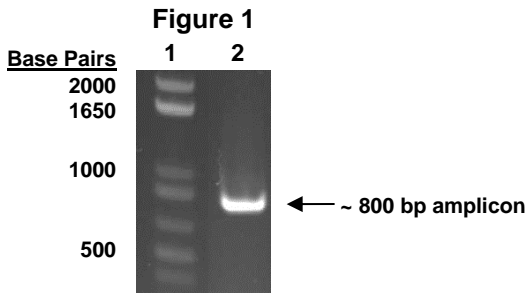
TEST	SPECIFICATIONS	RESULTS
Sequencing of Species-Specific Region (730 nucleotides)	Consistent with MAYV, Uruma Consistent with NR-49914	99% identity with MAYV, Uruma (GenBank: DQ487395) Consistent with NR-49914
Functional Activity by RT-PCR Amplification³	~ 800 bp amplicon	~ 800 bp amplicon (Figure 1)
Total RNA Content by RiboGreen[®] Measurement (Viral, Cellular, and Carrier)	Report results	2.5 ng per 100 µL
Viral RNA Content by Droplet Digital RT-PCR	Report results	4.1 × 10 ⁴ copies per µL
Virus Inactivation 10% of total yield inoculated on Vero cells ¹ and evaluated for cytopathic effect ⁴	No viable virus detected	No viable virus detected

¹Vero cells: ATCC[®] CCL-81™

²Nucleic acid was extracted from a preparation of MAYV, Uruma (BEI Resources NR-49914 lot 63856762) using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³Reverse transcription was performed using an iScript™ cDNA Synthesis Kit (Bio-Rad 170-8891) with 10 µL of NR-50084 in a 20 µL reaction; PCR was performed using iTaq™ DNA Polymerase (Bio-Rad 170-8870) with 5 µL of cDNA in a 50 µL reaction.

⁴Use of the QIAamp[®] Viral RNA Mini Kit has been demonstrated to consistently inactivate MAYV viruses as shown by the absence of cytopathic effect after plating the entire extract on virus-susceptible cells.



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: NR-50084

Date: 30 NOV 2017

Signature: *Michael R. Gynther*

BEI Resources Authentication

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