

**Genomic RNA from Mayaro Virus, BeAn343102**

**Catalog No. NR-50079**

**Product Description:** Genomic RNA was isolated from a preparation of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells<sup>1</sup> infected with Mayaro virus (MAYV), BeAn343102.

**Lot<sup>2</sup>: 361**

**Manufacturing Date: 29NOV2016**

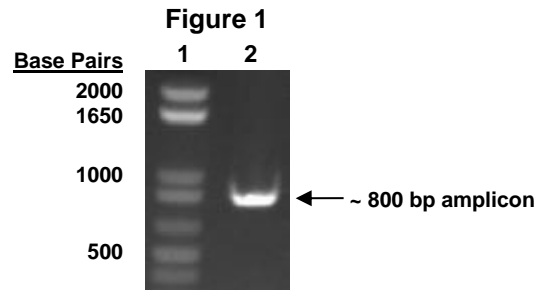
| TEST   | SPECIFICATIONS   | RESULTS  |
|--|--|--|
| <b>Sequencing of Species-Specific Region (747 nucleotides)</b>   | Consistent with MAYV, BeAn343102<br>Consistent with NR-49909 | 99% identity with MAYV, BeAn343102 (GenBank: KP842802)<br>Consistent with NR-49909 |
| <b>Functional Activity by RT-PCR Amplification<sup>3</sup></b>   | ~ 800 bp amplicon  | ~ 800 bp amplicon (Figure 1)   |
| <b>Total RNA Content by RiboGreen<sup>®</sup> Measurement (Viral, Cellular, and Carrier)</b>   | Report results   | 25.3 ng per 100 µL   |
| <b>Virus Inactivation</b><br>10% of total yield inoculated on Vero cells <sup>1</sup> and evaluated for cytopathic effect <sup>4</sup> | No viable virus detected                                     | No viable virus detected   |

<sup>1</sup>Vero cells: ATCC<sup>®</sup> CCL-81<sup>™</sup>

<sup>2</sup>Nucleic acid was extracted from a preparation of MAYV, BeAn343102 (BEI Resources NR-49909, Lot 63856764) using a QIAamp<sup>®</sup> Viral RNA Mini Kit (Qiagen 52906).

<sup>3</sup>Reverse transcription was performed using an iScript<sup>™</sup> cDNA Synthesis Kit (Bio-Rad 170-8891) with 10 µL of NR-50079 in a 20 µL reaction; PCR was performed using iTaq<sup>™</sup> DNA Polymerase (Bio-Rad 170-8870) with 5 µL of cDNA in a 50 µL reaction.

<sup>4</sup>Use of the QIAamp<sup>®</sup> 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<sup>™</sup> TrackIt<sup>™</sup> 1 Kb Plus DNA Ladder  
Lane 2: NR-50079

**Date:** 18 MAY 2017

**Signature:** *Michael Q. Gynther*

BEI Resources Authentication

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