

**Genomic RNA from Zika Virus, MR 766**

**Catalog No. NR-50085**

**Product Description:** Genomic RNA was isolated from a preparation of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial (Vero) cells<sup>1</sup> infected with Zika virus (ZIKV), MR 766.

**Lot<sup>2</sup>: 64033223**

**Manufacturing Date: 23FEB2016**

TEST	SPECIFICATIONS	RESULTS
<b>Sequencing of Species-Specific Region</b> NS5 protein gene (901 nucleotides)	Consistent with ZIKV, MR 766 Consistent with NR-50065	100% identity with ZIKV, MR 766 (GenBank: AF013415) Consistent with NR-50065 <sup>3</sup>
<b>Functional Activity by RT-PCR Amplification<sup>4</sup></b>	~ 1030 bp amplicon	~ 1030 bp amplicon (Figure 1)
<b>Total RNA Content by RiboGreen<sup>®</sup> Measurement (Viral, Cellular and Carrier)</b>	Report results	26.8 ng per 100 µL
<b>Viral RNA Content by Droplet Digital RT-PCR</b>	Report results	1.1 × 10 <sup>6</sup> copies per µL
<b>Virus Inactivation</b> 10% of total yield inoculated on Vero cells and evaluated for cytopathic effect <sup>1,5</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 ZIKV, MR 766 (BEI Resources NRS-50065, Lot 63856748), using a QIAamp<sup>®</sup> Viral RNA Mini Kit (Qiagen 52906).

<sup>3</sup>The complete coding sequence of BEI Resources ZIKV, MR 766 (NR-50065, Lot No. 63856750) has also been determined (GenBank: KU963573).

<sup>4</sup>Amplified using iTaq<sup>™</sup> Universal SYBR<sup>®</sup> Green One-Step Kit (Bio-Rad 172-5151) with 5 µL of NR-50085 in a 50 µL reaction

<sup>5</sup>Use of the QIAamp<sup>®</sup> Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of Zika virus as shown by the absence of cytopathic effect (CPE) after plating the entire extract on virus-susceptible cells.

**Date:** 20 JUN 2016

**Signature:** 

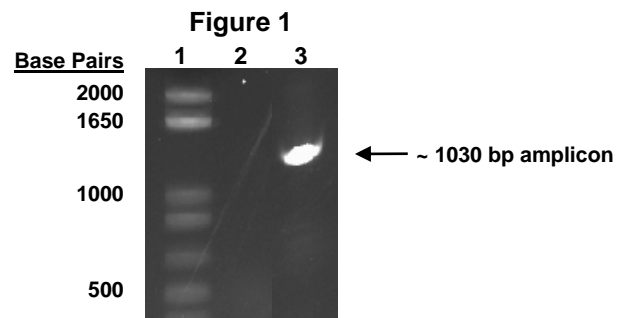
BEI Resources Authentication

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Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder  
Lane 2: Negative control  
Lane 3: NR-50085