

**Genomic RNA from Zika Virus, MEX I-44**

**Catalog No. NR-50282**

**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), MEX I-44.

**Lot<sup>2</sup>: 70004548**

**Manufacturing Date: 10APR2017**

TEST	SPECIFICATIONS	RESULTS
<b>Sequencing of Species-Specific Region</b> Polyprotein gene NS3–NS4 region (981 nucleotides)	Consistent with ZIKV, MEX I-44 Consistent with NR-50279	100% identity with ZIKV, MEX I-44 (GenBank: KX856011) Consistent with NR-50279
<b>Functional Activity by RT-PCR Amplification<sup>3</sup></b>	~ 1100 bp amplicon	~ 1100 bp amplicon (Figure 1)
<b>Total RNA Content by RiboGreen<sup>®</sup> Measurement (Viral, Cellular and Carrier)</b>	Report results	30.2 ng per 100 µL
<b>Viral RNA Content by Droplet Digital RT-PCR</b>	Report results	1.8 × 10 <sup>5</sup> copies per µL
<b>Virus Inactivation</b> 10% of total yield inoculated on Vero cells and evaluated for cytopathic effect <sup>4</sup>	No viable virus detected	No viable virus detected

<sup>1</sup>Vero 76, clone E6

<sup>2</sup>Nucleic acid was extracted from a preparation of ZIKV, MEX I-44 (BEI Resources NR-50279, Lot 64522916), using a QIAamp<sup>®</sup> Viral RNA Mini Kit (Qiagen 52906).

<sup>3</sup>Amplified using iTaq<sup>™</sup> DNA Polymerase Kit (Bio-Rad 170-8870) with 5 µL of NR-50282 in a 50 µL reaction

<sup>4</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:** 14 JUN 2017

**Signature:** 

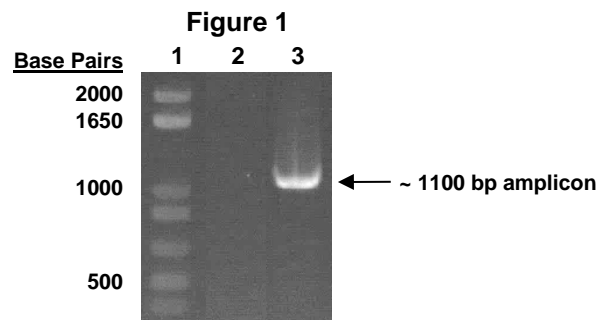
BEI Resources Authentication

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Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder  
Lane 2: Negative control  
Lane 3: NR-50282