

**Genomic RNA from Zika Virus, MEX 2-81**

**Catalog No. NR-50283**

**Product Description:** Genomic RNA was isolated from a preparation of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial (Vero)<sup>1</sup> cells infected with Zika virus (ZIKV), MEX 2-81.

**Lot<sup>2</sup>: 64373896**

**Manufacturing Date: 24JUN2016**

TEST	SPECIFICATIONS	RESULTS.
<b>Sequencing of Species-Specific Region</b> Polyprotein gene NS3–NS4 region (886 nucleotides)	Consistent with ZIKV, MEX 2-81 Consistent with NR-50280	100% identity with ZIKV, MEX 2-81 <sup>3</sup> (GenBank: KX446950) Consistent with NR-50280
<b>Functional Activity by RT-PCR Amplification<sup>4</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	3.29 ng per 100 µL
<b>Viral RNA Content by Droplet Digital RT-PCR</b>	Report results	3.3 × 10 <sup>4</sup> copies per µL
<b>Virus Inactivation</b> 10% of total yield inoculated on vero cells and evaluated by IFA <sup>5,6</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 2-81 (BEI Resources NR-50280 lot 64158308), using a QIAamp<sup>®</sup> Viral RNA Mini Kit (Qiagen 52906).

<sup>3</sup>Published in NCBI as ZIKV/Aedes.sp/MEX/MEX\_2-81/2016

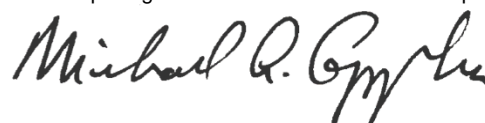
<sup>4</sup>Amplified using iTaq<sup>™</sup> DNA Polymerase Kit (Bio-Rad 170-8870) with 2 µL of NR-50283 in a 50 µL reaction

<sup>5</sup>Using mouse monoclonal antibody to Zika virus NS1 protein (Aalto Bio Reagents catalog no. AZ 1225, clone 2701106)

<sup>6</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) and viral antigen expression by indirect immunofluorescence after plating the entire extract on virus-susceptible cells.

**Date:** 09 NOV 2017

**Signature:**



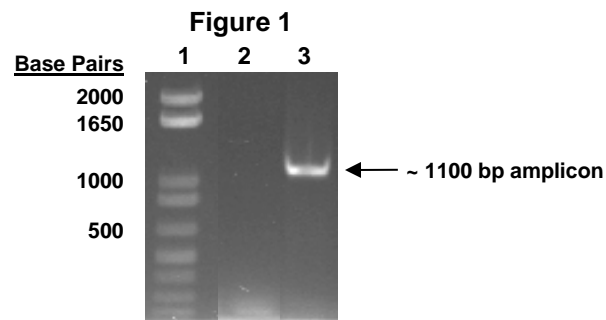
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Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder  
Lane 2: Negative control  
Lane 3: NR-50283