

Genomic RNA from Zika Virus, MEX I-7

Catalog No. NR-50284

Product Description: Genomic RNA was isolated from a preparation of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial (Vero)¹ cells infected with Zika virus (ZIKV), MEX I-7.

Lot²: 64477677

Manufacturing Date: 16AUG2016

TEST	SPECIFICATIONS	RESULTS.
Sequencing of Species-Specific Region Polyprotein gene NS3–NS4 region (754 nucleotides)	Consistent with ZIKV, MEX I-7 Consistent with NR-50281	100% identity with ZIKV, MEX I-7 ³ (GenBank: KX446951) Consistent with NR-50281
Functional Activity by RT-PCR Amplification⁴	~ 1100 bp amplicon	~ 1100 bp amplicon (Figure 1)
Total RNA Content by RiboGreen[®] Measurement (Viral, Cellular and Carrier)	Report results	31 ng per 100 µL
Viral RNA Content by Droplet Digital RT-PCR	Report results	3.2 × 10 ⁵ copies per µL
Virus Inactivation 10% of total yield inoculated on vero cells and evaluated for cytopathic effect ⁵	No viable virus detected	No viable virus detected

¹Vero 76, clone E6

²Nucleic acid was extracted from a preparation of ZIKV, MEX I-7 (BEI Resources NR-50281 lot 64158312), using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³Published in NCBI as ZIKV/Aedes.sp/MEX/MEX_I-7/2016

⁴Amplified using iTaq[™] DNA Polymerase Kit (Bio-Rad 170-8870) with 2 µL of NR-50284 in a 50 µL reaction

⁵Use of the QIAamp[®] 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: 09 NOV 2017

Signature:



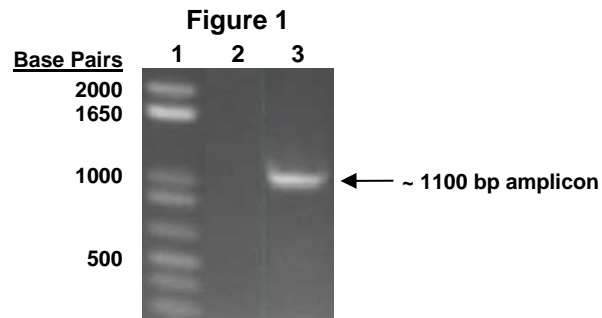
BEI Resources Authentication

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.

ATCC[®] is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.





Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: Negative control
Lane 3: NR-50284