

Genomic RNA from Zika Virus, R103451

Catalog No. NR-50358

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), R103451.

Lot²: 64473356

Manufacturing Date: 09AUG2016

TEST	SPECIFICATIONS	RESULTS.
Sequencing of Species-Specific Region Polyprotein gene NS3–NS4 region (880 nucleotides)	Consistent with ZIKV, R103451 Consistent with NR-50355	100% identity with ZIKV, R103451 (GenBank: KX262887) Consistent with NR-50355
Functional Activity by RT-PCR Amplification³	~ 1100 bp amplicon	~ 1100 bp amplicon (Figure 1)
Total RNA Content by RiboGreen[®] Measurement (Viral, Cellular and Carrier)	Report results	2.7 ng per 100 µL
Viral RNA Content by Droplet Digital RT-PCR	Report results	5.4 × 10 ⁴ copies per µL
Virus Inactivation 10% of total yield inoculated on Vero cells and evaluated for cytopathic effect ⁴	No viable virus detected	No viable virus detected

¹Vero cells, clone E6

²Nucleic acid was extracted from a preparation of ZIKV, R103451 (BEI Resources NR-50355, Lot 64362036), using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³Amplified using iTaq[™] DNA Polymerase Kit (Bio-Rad 170-8870) with 2 µL of NR-50358 in a 50 µL reaction

⁴Use 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: 16 NOV 2016

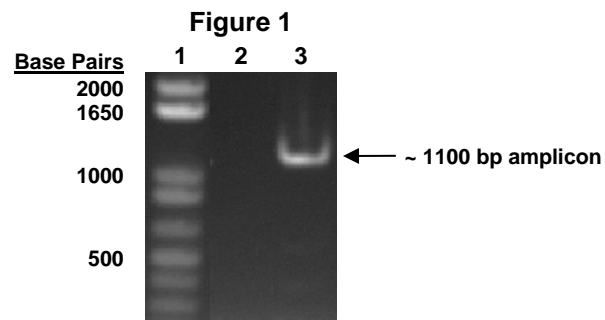
Signature: 

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Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: Negative control
Lane 3: NR-50358