

Genomic RNA from Zika Virus, PRVABC59

Catalog No. NR-50244

Product Description: Genomic RNA was isolated from a preparation of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells¹ infected with Zika virus (ZIKV), PRVABC59.

Lot²: 64200722

Manufacturing Date: 12APR2016

TEST	SPECIFICATIONS	RESULTS
Sequencing of Species-Specific Region NS5 protein gene (658 nucleotides)	Consistent with ZIKV, PRVABC59 Consistent with NR-50240	100% identity with ZIKV, PRVABC59 (GenBank: KU501215) Consistent with NR-50240
Functional Activity by RT-PCR Amplification³	~ 1000 bp amplicon	~ 1000 bp amplicon (Figure 1)
Total RNA Content by RiboGreen[®] Measurement (Viral, Cellular and Carrier)	Report results	2.1 ng per 100 µL
Viral RNA Content by Droplet Digital RT-PCR	Report results	2.0 × 10 ⁴ copies per µL
Virus Inactivation 10% of total yield inoculated on Vero E6 cells and evaluated for cytopathic effect ⁴	No viable virus detected	No viable virus detected

¹Vero 76, clone E6: ATCC[®] CRL-1586™

²Nucleic acid was extracted from a preparation of ZIKV, PRVABC59 (BEI Resources NRS-50240, Lot 64112564), using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³Amplified using iTaq[™] DNA Polymerase Kit (Bio-Rad 170-8870) with 2 µL of NR-50244 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: 20 JUN 2016

Signature: 

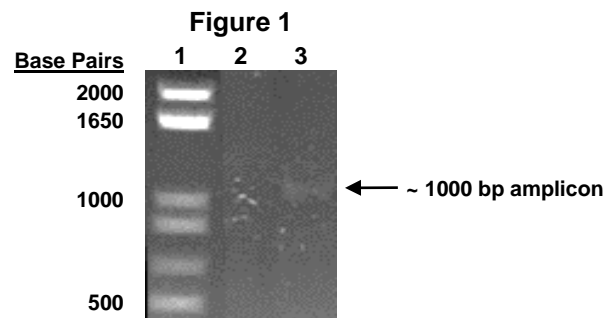
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Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: Negative control
Lane 3: NR-50244