

Genomic RNA from Zika Virus, H/PAN/2015/CDC-259364

Catalog No. NR-50331

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), H/PAN/2015/CDC-259364.

Lot²: 64237877

Manufacturing Date: 29APR2016

TEST	SPECIFICATIONS	RESULTS
Sequencing of Species-Specific Region Polyprotein gene NS3–NS4 region (975 nucleotides)	Consistent with ZIKV, H/PAN/2015/CDC-259364 Consistent with NR-50221	100% identity with ZIKV, H/PAN/2015/CDC-259364 ³ (GenBank: KX156776) Consistent with NR-50221
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	2.02 ng per 100 µL
Viral RNA Content by Droplet Digital RT-PCR	Report results	3.2 × 10 ³ 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; ATCC[®] CRL-1586™

²Nucleic acid was extracted from a preparation of ZIKV, H/PAN/2015/CDC-259364 (BEI Resources NR-50221, Lot 64158298), using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³Published in NCBI as ZIKV/Homo sapiens/PAN/CDC-259364_V1-V2/2015

⁴Amplified using iTaq[™] DNA Polymerase Kit (Bio-Rad 170-8870) with 2 µL of NR-50331 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: 27 JUN 2016

Signature:



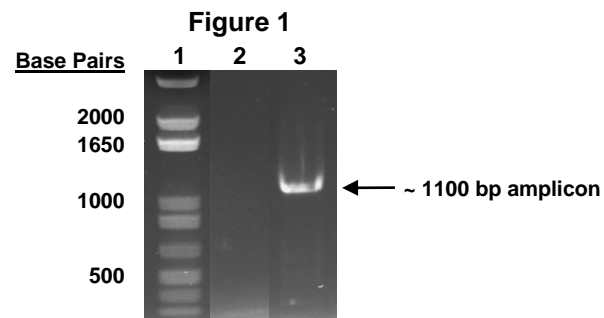
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Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: Negative control
Lane 3: NR-50331