b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-50085

Genomic RNA from Zika Virus, MR 766

Catalog No. NR-50085

Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from *Chlorocebus* (previously *Cercopithecus aethiops* kidney epithelial cells (Vero; ATCC® CCL-81™) infected with Zika virus (ZIKV), MR 766 (BEI Resources lot 64254618) using QIAamp® Viral RNA Mini Kit (Qiagen® 52906). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

Lot: 70041163 **Manufacturing Date: 20DEC2021**

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of species-specific region (~ 930 nucleotides)	≥ 98% identity with ZIKV, MR 766 (GenBank: AF013415)	100% identity with ZIKV, MR 766 (GenBank: AF013415)
Functional Activity by RT-PCR Amplification[1] NS5 gene	~ 1030 base pair amplicon	~ 1030 base pair amplicon
Estimated Concentration (post-dilution) by Qubit® Measurement (Viral, Cellular and Carrier)[2]	Report results	12.3 ng per 100 µL (0.12 µg/mL)
Estimated Amount per Vial[3]	Report results	12.3 ng
Virus Inactivation 10% of total yield inoculated on Vero cells and evaluated for cytopathic effect after serial passage[3]	No viable virus detected	No viable virus detected

[1]Amplified using iTaq™ Universal SYBR Green One-step Kit (Bio-Rad® 172-5151) with 5 µL of NR-50434 in a 50 µL reaction
[2]Measurement is determined pre-vial prior to dilution due to the limit of detection of the quantification method
[3]Use of the QIAamp® Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of ZIKV as shown by the absence of cytopathic effect (CPE) after plating the entire extract on virus-susceptible cells for two passages.

/Sonia Bjorum Brower/
Sonia Bjorum Brower 05 APR 2023
Technical Manager or designee, ATCC Federal Solutions

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.

Support Provided by NIAID

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