

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 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) and vialled in TE buffer (10 mM Tris-HCl, 0.1 mM EDTA, pH 8). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

Lot: 70084726

Manufacturing Date: 20JUL2026

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of species-specific region (~ 970 nucleotides)	≥ 98% identity with ZIKV, MR 766 (GenBank: AY632535.2)	100% identity with ZIKV, MR 766 (GenBank: AY632535.2)
Functional Activity by RT-PCR Amplification¹ NS5 gene	~ 1030 base pair amplicon	~ 1030 base pair amplicon
Estimated Concentration (post-dilution) by Qubit® Measurement (Viral, Cellular and Carrier)²	Report results	13.5 ng per 100 µL (0.14 µg/mL)
Estimated Amount per Vial²	Report results	13.5 ng
Genome Copy Number Using Digital-Based PCR (Post vial; 9 replicates)	Report results	1.2 × 10 ⁹ NDU per mL ³
Virus Inactivation 10% of total yield inoculated on Vero cells and evaluated for cytopathic effect after serial passage ⁴	No viable virus detected	No viable virus detected

¹Amplified using iTaq™ Universal SYBR Green One-step Kit (Bio-Rad® 172-5151) with 5 µL of NR-50085 in a 50 µL reaction

²Measurement is determined pre-vial prior to dilution due to the limit of detection of the quantification method

³NDU; NAAT-detectable units

⁴Use of the QIAamp® Viral RNA Mini Kit (Qiagen catalog no. 52906) has been demonstrated to consistently inactivate 100% of ZIKV as shown by the absence of cytopathic effect (CPE) and viral RNA expression by RT-PCR after plating the entire extract on virus-susceptible cells for two passages.

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15 SEP 2026

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