

Genomic RNA from Dengue Virus Type 3, DENV-3/US/BID-V1043/2006

Catalog No. NR-50532

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Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from *Aedes albopictus* mosquito larval epithelial cells (clone C6/36; ATCC® CRL-1660™) infected with dengue virus type 3 (DEN-3), DENV-3/US/BID-V1043/2006 (BEI Resources lot 70058084) using QIAamp® Viral RNA Mini Kit (Qiagen® 52906). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

Lot: 70081195

Manufacturing Date: 18FEB2026

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of species-specific region (~ 940 nucleotides)	≥ 98% identity with DENV-3/US/BID-V1043/2006 (GenBank: EU482555)	100% identity with DENV-3/US/BID-V1043/2006 (GenBank: EU482555)
Functional Activity by PCR Amplification¹ Envelope gene	~ 1000 base pair amplicon	~ 1000 base pair amplicon
Estimated Concentration (post-dilution) by Qubit® Measurement (Viral, Cellular and Carrier)²	Report results	30.2 ng per 100 µL (0.03 µg/mL)
Estimated Amount per Vial²	Report results	30.2 ng
Virus Inactivation 10% of total yield inoculated on C6/36 cells and evaluated for cytopathic effect and immunofluorescent staining after serial passage ^{3,4}	No viable virus detected	No viable virus detected

¹Amplified using iScript™ cDNA Synthesis Kit (Bio-Rad® 1708891; 10 µL of NR-50532 in a 20 µL reaction) and iTaq™ DNA Polymerase (Bio-Rad® 1708870; 5 µL of NR-50532 cDNA in a 50 µL reaction)

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

³Tested with Mouse Anti-Dengue Complex (Millipore MAB8705)

⁴Use of the QIAamp® Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of DENV as shown by the absence of cytopathic effect (CPE) and by fluorescent antibody assay after plating the entire extract on virus-susceptible cells for two passages.

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