

Genomic DNA from Taterapox Virus, V71-I-016

Catalog No. NR-50077

Product Description:

DNA was isolated from a preparation of cell lysate and supernatant from *Chlorocebus* (formerly *Cercopithecus*) *aethiops* kidney epithelial (BSC40) cells infected with taterapox virus (TATV), V71-I-016 (BEI Resources lot 70059853) using QIAamp® Viral RNA Mini Kit (Qiagen® 52906).

Lot: 70059854

Manufacturing Date: 12MAY2023

TEST	SPECIFICATIONS	RESULTS
Next-Generation Sequencing (NGS) of Complete Genome Using Illumina® MiSeq™ Platform	≥ 98% identity with TATV, Dahomey 1968 (GenBank: DQ437594)	99.3% identity with TATV, Dahomey 1968 (GenBank: DQ437594)
Functional Activity by PCR Amplification¹	~ 1100 base pair amplicon	~ 1100 base pair amplicon
Estimated Concentration (post-dilution) by PicoGreen® Measurement (Viral, Cellular and Carrier)²	Report results	3.2 ng per 100 µL
Estimated Amount per Vial²	Report results	3.2 ng
Virus Inactivation 10% of total yield inoculated on BSC-40 cells and evaluated for cytopathic effect after serial passage ³	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-50077 in a 50 µL reaction

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

³Use of the QIAamp® Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of TATV as shown by the absence of cytopathic effect (CPE) after plating the entire extract on virus-susceptible cells for two passages.

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Technical Manager or designee, ATCC Federal Solutions

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