

Genomic RNA from Lassa Virus, Josiah

Catalog No. NR-50804

Product Description:

Genomic RNA was extracted from a preparation of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero; ATCC® CCL-81™) infected with Lassa virus (LASV), Josiah. The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

Source of Nucleic Acid: NR-50803 lot 70007525

Extraction Protocol: TriPure Isolation Reagent (Roche Applied Science)

Lot: 70009757

Manufacturing Date: 19JUL2017

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis¹ Sequencing of species-specific region (~ 1130 nucleotides)	≥ 98% identity with LASV, Josiah segment S (GenBank: HQ688672.1)	99.9% identity with LASV, Josiah segment S (GenBank: HQ688672.1)
Functional Activity by RT-PCR Amplification¹ Nucleoprotein (NP) gene	~ 1300 base pair amplicon	~ 1300 base pair amplicon
RNA Content Lassa virus RNA Vero E6 GAPDH RNA copies	Report results Report results	1.28 × 10 ³ genome copies/mL 1.31 × 10 ² genome copies/mL
Cell Culture Safety Test for Residual Virus²	No viable virus detected	No viable virus detected

¹Genotypic Analysis testing was completed on NR-50803 (lot 70007525) which was extracted from the same source material as NR-50804 (lot 70009757).

²Test performed at UTMB following procedure described in Towner, J. S., et al. "High-Throughput Molecular Detection of Hemorrhagic Fever Virus Threats with Applications for Outbreak Settings." *J. Infect. Dis.* 196 Suppl. 2 (2007): S205-S212. PubMed: 17940951.

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19 OCT 2022

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