

**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, Josiah. The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

**Source of Nucleic Acid:** Lassa virus, Josiah. NR-50803 (lot 70007525) and NR-50804 (lot 70009929) were derived from the same parent material.

**Extraction Protocol:** TriPure Isolation Reagent (Roche Applied Science)

**Lot: 70009929**

**Manufacturing Date: 09NOV2017**

TEST	SPECIFICATIONS	RESULTS
<b>Genotypic Analysis<sup>1</sup></b> Sequencing of S Segment (~ 1130 nucleotides)	≥ 98% identity with Lassa virus	99.9% identity with Lassa virus, Josiah (GenBank: HQ688672.1)
<b>Functional Activity by RT-PCR Amplification<sup>1</sup></b> Nucleoprotein (NP) gene	~ 1300 base pair amplicon	~ 1300 base pair amplicon
<b>RNA Content (qPCR)</b> Viral RNA copies Vero E6 GAPDH RNA copies	Report results Report results	6.8 × 10 <sup>1</sup> genome copies/μL 8.8 × 10 <sup>2</sup> genome copies/μL
<b>Cell Culture Safety Test for Residual Virus<sup>2</sup></b>	No recovered virus	No recovered virus

<sup>1</sup>Genotypic Analysis testing was completed on NR-50803 (lot 70097525) which was extracted from the same source material as NR-50804 (lot 70009929).

<sup>2</sup>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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