

Genomic RNA from Measles Virus, Shanghai-191 Vaccine Strain

Catalog No. NR-61147

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Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from *Chlorocebus aethiops* kidney epithelial cells with human signaling lymphocytic activation molecule (Vero-hSLAM; BEI Resources NR-55500) infected with measles virus (MeV), Shanghai-191 vaccine strain (BEI Resources NR-60837 lot 70079297) using QIAamp® Viral RNA Mini Kit (Qiagen® 52906). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

Lot: 70080145

Manufacturing Date: 02APR2026

TEST	SPECIFICATIONS	RESULTS
Next-Generation Sequencing (NGS) of Complete Genome ¹	≥ 98% sequence identity with MeV Shanghai-191 vaccine strain (GenBank: FJ416067)	99.87% sequence identity with MeV Shanghai-191 vaccine strain (GenBank: FJ416067)
Functional Activity by RT-PCR Amplification ² HA gene	~ 1000 base pair amplicon	~ 1000 base pair amplicon
Estimated Concentration (post-dilution) by Qubit® Measurement (Viral, Cellular and Carrier) ³	Report results	53 ng per 100 µL (0.53 µg/mL)
Estimated Amount per Vial ³	Report results	53 ng
Genome Copy Number Using Digital-Based PCR (Post vial; 12 replicates)	Report results	4.9 × 10 ⁷ NDU per mL ⁴
Virus Inactivation 10% of total yield inoculated on Vero-hSLAM cells and evaluated for cytopathic effect after serial passage ⁵	No viable virus detected	No viable virus detected

¹Testing completed pre-extraction

²Amplified using iTaq™ Universal SYBR Green One-step Kit (Bio-Rad® 172-5151) with 5 µL of NR-61147 in a 50 µL reaction

³Measurement is determined pre-vial prior to dilution due to the limit of detection of the quantification method

⁴NDU; NAAT-detectable units

⁵Use of the QIAamp® Viral RNA Mini Kit (Qiagen® 52906) has been demonstrated to consistently inactivate 100% of MeV 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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