

Genomic RNA from from Human Metapneumovirus, TN/91-316

Catalog No. NR-46442

Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from *Macaca mulatta* kidney epithelial cells (LLC-MK2, ATCC® CCL-7.1™) infected with Human Metapneumovirus (HMPV), TN/91 316 (BEI Resources NR-22232 lot 70040318) using QIAamp® Viral RNA Mini Kit (Qiagen® 52906). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

Lot: 70076970

Manufacturing Date: 11JUL2025

TEST	SPECIFICATIONS	RESULTS
Next-Generation Sequencing (NGS) of Complete Genome Using Illumina® MiSeq™ Platform	≥ 98% identity with HMPV, TN/91-316 (GenBank: KC403971)	99.64% identity with HMPV, TN/91 316 (GenBank: KC403971.1)
Functional Activity by RT-PCR Amplification¹ RNA-directed RNA polymerase L	~ 1000 base pair amplicon	~ 1000 base pair amplicon
Estimated Concentration by Qubit® Measurement (Viral, Cellular and Carrier)²	Report results	10.2 ng per 100 µL (0.1 µg/mL)
Estimated Amount per Vial²	Report results	10.2 ng
Virus Inactivation 10% of total yield inoculated on LLC-MK2 cells and evaluated for cytopathic effect 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-46442 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 (Qiagen catalog no. 52906) has been demonstrated to consistently inactivate 100% of HMPV 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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08 OCT 2025

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