

Genomic RNA 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 cells¹ infected with human metapneumovirus (HMPV), TN/91-316.

Lot²: 63143129

Manufacturing Date: 11DEC2014

TEST	SPECIFICATIONS	RESULTS
Sequencing of Species-Specific Region ³	Consistent with HMPV, TN/91-316	Consistent with HMPV, TN/91-316
Functional Activity by RT-PCR Amplification ⁴	~ 1300 bp amplicon	~ 1300 bp amplicon
Total RNA Content by RiboGreen [®] Measurement (Viral, Cellular, and Carrier)	Report results	382 ng per 100 µL
Virus Inactivation 10% of total yield inoculated on LLC-MK2 Derivative cells and evaluated for expression of viral antigen ^{1,5}	No viable virus detected	No viable virus detected

¹LLC-MK2 Derivative: ATCC[®] CCL-7.1™

²Nucleic acid was extracted from a preparation of HMPV, TN/91-316 (BEI Resources NR-22232, Lot 61746424) using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³The nucleotide sequencing of NR-46442 (and the source organism, NR-22232) performed at BEI Resources cannot confirm exact strain identity owing to the high degree of sequence conservation within HMPV lineages. Sequencing of this preparation of genomic RNA is consistent with the source organism as well as numerous other contemporaneously isolated HMPV strains.

⁴Amplified using a 1:10 dilution of NR-46442 and iTaq™ Universal SYBR[®] Green One-Step Kit (Bio-Rad 172-5151)

⁵Use of the QIAamp[®] Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of viruses, as shown by the absence of cytopathic effect (CPE) and expression of viral antigen after plating the entire extract on virus-susceptible cells

Date: 23 NOV 2015

Signature: 

BEI Resources Authentication

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.

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