

Genomic RNA from Human Respiratory Syncytial Virus, A1998/3-2

Catalog No. NR-44229

Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from HEp-2 cells (ATCC® CCL-23™) infected with Human Respiratory Syncytial Virus, A1998/3-2 (BEI Resources lot 70046188) using QIAamp® Viral RNA Mini Kit (Qiagen® 52906). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

Lot: 70060067

Manufacturing Date: 01MAY2023

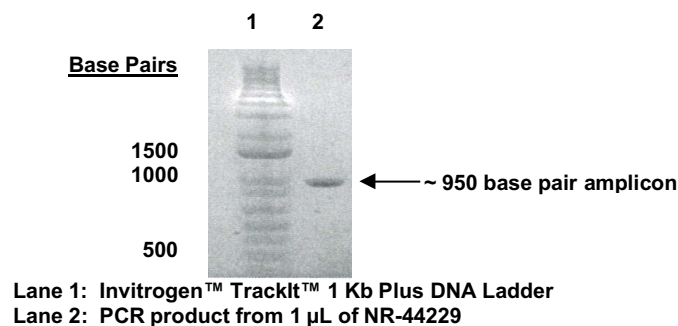
TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of species-specific region (~ 860 nucleotides)	≥ 98% identity with human RSV, A1998/3-2 (GenBank: JX069801.1)	99.9% identity with human RSV, A1998/3-2 (GenBank: JX069801.1)
Functional Activity by RT-PCR Amplification¹ Glycoprotein gene	~ 950 base pair amplicon	~ 950 base pair amplicon (Figure 1)
Estimated Concentration (post-dilution) by Qubit® Measurement (Viral, Cellular and Carrier)²	Report results	21.9 ng per 100 µL
Estimated Amount per Vial²	Report results	21.9 ng
Virus Inactivation 10% of total yield inoculated on HEp-2 cells and evaluated for cytopathic effect and by direct fluorescent antibody (DFA) assay after serial passage 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-44229 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 has been demonstrated to consistently inactivate 100% of RSV as shown by as shown by the absence of cytopathic effect (CPE) and DFA (Light Diagnostics 5022) after plating the entire extract on virus-susceptible cells for two passages.

Figure 1: Functional Activity of NR-44229 by RT-PCR Amplification of Glycoprotein Gene



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