

Genomic RNA from Human Respiratory Syncytial Virus, A1998/12-21

Catalog No. NR-44228

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, A1998/12-21 (BEI Resources lot 70047468) using QIAamp® Viral RNA Mini Kit (Qiagen® 52906). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

Lot: 70048660

Manufacturing Date: 10DEC2021

| TEST | SPECIFICATIONS | RESULTS |
|---|--|---|
| Genotypic Analysis Sequencing of species-specific region (~ 860 nucleotides) | ≥ 98% identity with human RSV, A1998/12-21 virus (GenBank: JX069802) | 100% identity with human RSV, A1998/12-21 virus (GenBank: JX069802) |
| Functional Activity by RT-PCR Amplification^{1,2} Glycoprotein gene | ~ 900 base pair amplicon | ~ 900 base pair amplicon |
| Virus Inactivation 10% of total yield inoculated on HEp-2 cells and evaluated for cytopathic effect and by DFA ^{3,4} | 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-44228 in a 50 µL reaction

²No concentration is available for this item. However, the vial material demonstrates functional activity.

³Using LIGHT DIAGNOSTICS™ Respiratory Syncytial Virus FITC Reagent (Millipore 5022)

⁴Use of the QIAamp® Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of RSV as shown by the absence of cytopathic effect (CPE) and viral RNA expression of viral antigens after plating the entire extract on virus-susceptible cells.

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Technical Manager or designee, ATCC Federal Solutions

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