

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 cells¹ infected with human respiratory syncytial virus (RSV), A1998/12-21.

Lot²: 61929098

Manufacturing Date: 31JUL2013

TEST	SPECIFICATIONS	RESULTS
Sequencing of Species-Specific Region (860 nucleotides)	Consistent with human RSV, A1998/12-21 virus Identical to NR-28528	99% identity with human RSV, A1998/12-21 virus (GenBank: JX069802) Identical to NR-28528
Functional Activity by RT-PCR Amplification³	~ 900 bp amplicon	~ 900 amplicon (See Figure 1)
Total RNA Content by RiboGreen[®] Measurement (Viral, Cellular and Carrier)	Report results	137 ng per 100 µL
Virus Inactivation 10% of total yield inoculated on HEp-2 cells ¹ and evaluated for cytopathic effect and expression of viral antigens ^{4,5}	No virus detected	No virus detected

¹HEp-2 cells: ATCC[®] CCL-23™

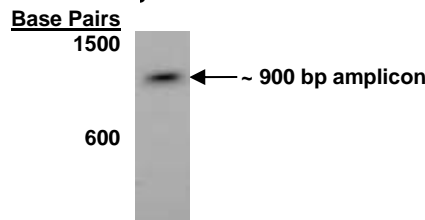
²Nucleic acid was extracted from a preparation of Human Respiratory Syncytial Virus, A1998/12-21 (BEI Resources NR-28528, Lot 59927454), using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³Amplified using iScript™ One-Step RT-PCR Kit with SYBR[®] Green (Bio-Rad 170-8892) with 2 µL of NR-44228 in a 25 µL reaction

⁴Using LIGHT DIAGNOSTICS™ Respiratory Syncytial Virus FITC Reagent (Millipore 5022)

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

Figure 1



Date: 04 NOV 2013

Signature: *Michael R. Gynther*

Title: Technical Manager, BEI Authentication or designee

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