

**Genomic RNA from Human Respiratory Syncytial Virus, A2000/3-4**

**Catalog No. NR-44230**

**Product Description:** Genomic RNA was isolated from a preparation of cell lysate and supernatant from HEp-2 cells<sup>1</sup> infected with human respiratory syncytial virus (RSV), A2000/3-4.

**Lot<sup>2</sup>: 61968414**

**Manufacturing Date: 16AUG2013**

TEST	SPECIFICATIONS	RESULTS
<b>Sequencing of Species-Specific Region (902 nucleotides)</b>	Consistent with human RSV, A2000/3-4 virus  Identical to NR-28530	99% identity with human RSV, A2000/3-4 virus (GenBank: JX069803)  Identical to NR-28530
<b>Functional Activity by RT-PCR Amplification<sup>3</sup></b>	~ 900 bp amplicon	~ 900 bp amplicon (See Figure 1)
<b>Total RNA Content by RiboGreen<sup>®</sup> Measurement (Viral, Cellular and Carrier)</b>	Report results	296 ng per 100 µL
<b>Virus Inactivation</b> 10% of total yield inoculated on HEp-2 cells <sup>1</sup> and evaluated for cytopathic effect <sup>4</sup>	No virus detected	No virus detected

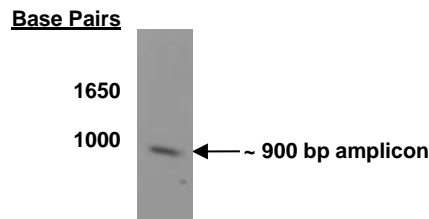
<sup>1</sup>HEp-2 cells: ATCC<sup>®</sup> CCL-23<sup>™</sup>

<sup>2</sup>Nucleic acid was extracted from a preparation of Human Respiratory Syncytial Virus, A2000/3-4 (BEI Resources NR-28530, Lot 61091948), using a QIAamp<sup>®</sup> Viral RNA Mini Kit (Qiagen 52906).

<sup>3</sup>Amplified using iScript<sup>™</sup> One-Step RT-PCR Kit with SYBR<sup>®</sup> Green (Bio-Rad 170-8892) with 2 µL of NR-44230 in a 25 µL reaction

<sup>4</sup>Use of the QIAamp<sup>®</sup> 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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