

**Genomic RNA from Influenza A Virus, A/California/04/2009 (H1N1)pdm09, Cell Isolate (Produced in Eggs)**

**Catalog No. NR-13661**

**Product Description:**

Genomic RNA was isolated from a preparation of pooled allantoic fluid from specific pathogen free embryonated chicken eggs infected with influenza A virus, A/California/04/2009 (H1N1)pdm09 (BEI Resources lot 58632371) using QIAamp® Viral RNA Mini Kit (Qiagen® 52906). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

**Lot: 70051033**

**Manufacturing Date: 24MAR2022**

TEST	SPECIFICATIONS	RESULTS
<b>Genotypic Analysis</b> Sequencing of species-specific region (~ 950 nucleotides)	≥ 98% identity with A/California/04/2009 (H1N1)pdm09 (GenBank: FJ969513)	100% identity with A/California/04/2009 (H1N1)pdm09 (GenBank: FJ969513)
<b>Functional Activity by RT-PCR Amplification<sup>1</sup></b> Matrix gene	~ 950 base pair amplicon	~1000 base pair amplicon
<b>Estimated Concentration (post-dilution) by Qubit® Measurement (Viral, Cellular and Carrier)<sup>2</sup></b>	Report results	30.6 ng per 100 µL (0.31 µg per mL)
<b>Estimated Amount per Vial<sup>2</sup></b>	Report results	30.6 ng
<b>Virus Inactivation</b> 10% of total yield inoculated in SPF embryonated chicken eggs and evaluated for HA activity after serial passage <sup>3</sup>	No viable virus detected	No viable virus detected

<sup>1</sup>Amplified using iTaq™ Universal SYBR Green One-step Kit (Bio-Rad® 172-5151) with 5 µL of NR-13661 in a 50 µL reaction

<sup>2</sup>Measurement is determined pre-vial prior to dilution due to the limit of detection of the quantification method

<sup>3</sup>Use of the QIAamp® Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of influenza A virus as shown by the absence of HA activity after incubating the entire extract on virus-susceptible SPF embryonated chicken eggs for two passages.

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21 JUL 2022

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