

Genomic RNA from Influenza A Virus, A/WS/1933 (H1N1) (Tissue Culture Adapted)

Catalog No. NR-2764

Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from Madin-Darby canine kidney cells (MDCK; ATCC® CCL-34) infected with influenza A virus, A/WS/1933 (H1N1) (tissue culture adapted) (BEI Resources lot 7677043) using QIAamp® Viral RNA Mini Kit (Qiagen® 52906). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

Lot: 70049759

Manufacturing Date: 18JAN2022

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of a species-specific region (~ 850 nucleotides)	≥ 98% identity with Influenza A/WS/1933 (t. c. adapted) (GenBank: CY009605.1)	99.9% identity with Influenza A/WS/1933 (t. c. adapted) (GenBank: CY009605.1)
Functional Activity by RT-PCR Amplification¹ Matrix gene	~ 950 base pair amplicon	~ 950 base pair amplicon
Estimated Concentration (post-dilution) by RiboGreen® Measurement (Viral, Cellular and Carrier)²	Report results	43.8 ng per 100 µL
Estimated Amount per Vial²	Report Results	43.8 ng
Virus Inactivation 10% of total yield inoculated on MDCK cells and evaluated for cytopathic effect 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-2764 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 influenza A viruses as shown by the absence of cytopathic effect (CPE) after plating the entire extract on virus-susceptible cells for two passages.

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