

**Influenza A Virus, A/San Diego/1/2009 (H1N1)pdm09, Cell Isolate (Produced in Cells)**

**Catalog No. NR-15241**

**Product Description:** Cell lysate and supernatant from Madin-Darby Canine Kidney (MDCK) cells<sup>1</sup> infected with influenza A virus, A/San Diego/1/2009 (H1N1)pdm09.

**Passage History:** C2/C3 (Contributor/BEI); C# = Number passages in MDCK cells

**Lot<sup>2</sup>: 70005953**

**Manufacturing Date: 02JUL2017**

TEST	SPECIFICATIONS	RESULTS
<b>Identification by Infectivity in MDCK cells<sup>1</sup></b>	Report results	Refractile cell rounding and sloughing
<b>Sequencing of Hemagglutinin and Matrix Coding Regions</b> Hemagglutinin (444 nucleotides)  Matrix (919 nucleotides)	Consistent with Influenza A virus (H1N1) Consistent with Influenza A virus (H1N1)	Consistent with Influenza A virus (H1N1) <sup>3</sup> Consistent with Influenza A virus (H1N1) <sup>3</sup>
<b>Titer by TCID<sub>50</sub> Assay<sup>4,5</sup> in MDCK Cells<sup>1</sup></b>	Report results	1.6 X 10 <sup>6</sup> TCID <sub>50</sub> per mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>6</sup> , 37°C and 26°C, aerobic Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Blood agar, 37°C, aerobic Blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C and 5% CO <sub>2</sub> , aerobic	No growth No growth No growth No growth No growth No growth No growth	No growth No growth No growth No growth No growth No growth No growth
<b>Mycoplasma Contamination</b> Agar and broth culture (14-day incubation at 37°C) DNA detection by PCR of extracted Test Article nucleic acid	None detected None detected	None detected None detected

<sup>1</sup>MDCK; ATCC® CCL-34

<sup>2</sup>Grown in Dulbecco's Modified Eagle Medium (ATCC® 30-2002™) supplemented with 0.2% BSA (Invitrogen™ 15260-037), 25 mM HEPES (SIGMA-ALDRICH® 83264) and 1.0 µg/mL L-1-tosylamido-2-phenylethyl chloromethyl ketone (TPCK)-treated trypsin for 4 days at 35°C and 5% CO<sub>2</sub>.

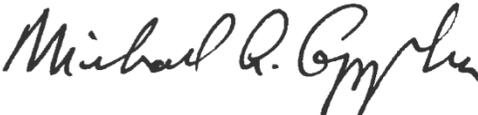
<sup>3</sup>The nucleotide sequence obtained had 99% identity with numerous influenza A virus sequences in the NCBI database; however, the sequence of A/San Diego/1/2009 (H1N1)pdm09 has not been deposited.

<sup>4</sup>The Tissue Culture Infectious Dose 50% (TCID<sub>50</sub>) is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the infected cells, just as a Lethal Dose 50% (LD<sub>50</sub>) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID<sub>50</sub> provides a measure of the infectious titer (or infectivity) of a virus preparation.

<sup>5</sup>4 days at 35°C and 5% CO<sub>2</sub>

<sup>6</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

**Date:** 27 DEC 2017

**Signature:** 

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