

**Influenza A Virus, A/Wisconsin/629-D02452/2009 (H1N1)pdm09**

**Catalog No. NR-19810**

**Product Description:**

Influenza A virus, A/Wisconsin/629-D02452/2009 (H1N1)pdm09 was isolated from a nasopharyngeal swab from a 1-year-old human in southeast Wisconsin on May 8, 2009. NR-19810 lot 70053408 was produced by infecting Madin-Darby Canine Kidney cells (MDCK; ATCC® CCL-34™) with influenza A/Wisconsin/629-D02452/2009 (H1N1)pdm09 and incubating in Dulbecco's Modified Eagle Medium (ATCC® 30-2003™) supplemented with 0.1% bovine serum albumin and 0.2% L-1-tosylamido-2-phenylethyl chloromethyl ketone (TPCK)-treated trypsin for 3 days at 35°C and 5% CO<sub>2</sub>.

**Passage History:**

M(2)/M(3) (Prior to deposit at BEI Resources/BEI Resources); M = MDCK cells

**Lot: 70053408**

**Manufacturing Date: 24JUN2022**

TEST	SPECIFICATIONS	RESULTS
<b>Identification by Infectivity in MDCK Cells</b>	Cell rounding and detachment	Cell rounding and detachment
<b>Sequencing of Hemagglutinin and Matrix Coding Regions</b> Hemagglutinin (~ 440 nucleotides)  Matrix (~ 960 nucleotides)	≥ 98% identity with A/Wisconsin/629-D02452/2009 (H1N1)pdm09 (GenBank: CY046587)  ≥ 98% identity with A/Wisconsin/629-D02452/2009 (H1N1)pdm09 (GenBank: CY046588)	99.3% identity with A/Wisconsin/629-D02452/2009 (H1N1)pdm09 (GenBank: CY046587)  99.3% identity with A/Wisconsin/629-D02452/2009 (H1N1)pdm09 (GenBank: CY046588)
<b>Titer by TCID<sub>50</sub> Assay in MDCK Cells by CPE<sup>1</sup></b> (6 days at 35°C and 5% CO <sub>2</sub> )	Report results	1.6 × 10 <sup>8</sup> TCID <sub>50</sub> per mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth, 37°C and 26°C, aerobic <sup>2</sup> Trypticase Soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C, 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 DNA detection by PCR of extracted Test	None detected None detected	None detected None detected

<sup>1</sup>The Tissue Culture Infectious Dose 50% (TCID<sub>50</sub>) endpoint is the 50% infectious endpoint in cell culture. The TCID<sub>50</sub> is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, 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>2</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

/Sonia Bjorum Brower/

Sonia Bjorum Brower

16 SEP 2022

Technical Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

