

**Influenza A Virus, A/California/07/2009 (H1N1)pdm09, Egg Isolate (Produced in Eggs)**

**Catalog No. NR-13663**

**Product Description:**

Influenza A virus, A/California/07/2009 (H1N1)pdm09 was isolated on April 9, 2009, from an adult human in California, USA. NR-13663 lot 70056344 was produced in the allantoic cavity of specific pathogen free (SPF) embryonated chicken eggs (10- to 11-day-old; Charles River, Norwich, Connecticut, USA) infected with seed material (BEI Resources lot 58632373) for 2 days at 35°C in a humidified chamber.

**Lot: 70056344**

**Manufacturing Date: 21OCT2022<sup>1</sup>**

TEST	SPECIFICATIONS	RESULTS
<b>Identification by Infectivity Using Embryonated Chicken Eggs</b> Hemagglutination activity using allantoic fluid from infected eggs and 0.5% turkey red blood cells	Positive	Positive
<b>Sequencing of Hemagglutinin and Matrix Coding Regions</b> Hemagglutinin (~ 450 nucleotides)  Matrix (~ 900 nucleotides)	≥ 98% identity with A/California/07/2009 (H1N1)pdm09 (GenBank: CY121680.1) ≥ 98% identity with A/California/07/2009 (H1N1)pdm09 (GenBank: CY121681.1)	99.6% identity with A/California/07/2009 (H1N1)pdm09 (GenBank: CY121680.1) 100% identity with A/California/07/2009 (H1N1)pdm09 (GenBank: CY121681.1)
<b>Titer by CEID<sub>50</sub> Assay in Embryonated Chicken Eggs<sup>2</sup></b> (2 days at 35°C in a humidified chamber)	Report results	8.9 × 10 <sup>7</sup> CEID <sub>50</sub> per mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth, 37°C and 26°C, aerobic <sup>3</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 37°C) DNA detection by PCR of extracted Test Article nucleic acid	None detected None detected	None detected None detected

<sup>1</sup>A bulk preparation was manufactured 19NOV2020, thawed and dispensed 21OCT2022.

<sup>2</sup>The Chicken Embryo Infectious Dose 50% (CEID<sub>50</sub>) is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the inoculated embryonated chicken eggs, 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 CEID<sub>50</sub> provides a measure of the infectious titer (or infectivity) of a virus preparation.

<sup>3</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

25 JAN 2023

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.

