

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

Catalog No. NR-13663

Product Description: Pooled allantoic fluid from specific pathogen free (SPF) embryonated chicken eggs¹ infected with influenza A virus, A/California/07/2009 (H1N1)pdm09.

Passage History: E3/E1 (CDC/BEI); E# = Number passages in embryonated chicken eggs

Lot²: 58632367

Manufacturing Date: 11MAY2009

TEST	SPECIFICATIONS	RESULTS
Identification by Hemagglutinin Gene Sequencing (418 nt)	Identical to A/California /07/2009 (H1N1)pdm09 (GenBank FJ981613)	Identical to A/California /07/2009 (H1N1)pdm09 (GenBank FJ981613)
Titer by CEID₅₀^{3,4} Assay in Embryonated Chicken Eggs¹	≥ 1 × 10 ⁶ CEID ₅₀ per mL	2.8 × 10 ⁸ CEID ₅₀ per mL
Sterility (21-day incubation) Harpo's HTYE broth ⁵ , 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 Brucella agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C and 5% CO ₂	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 No growth No growth
Mycoplasma Contamination 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

¹10- to 11-day-old SPF Fertile Embryonated Eggs acquired from B&E Eggs, York Springs, Pennsylvania

²Grown in the allantoic cavity of embryonated chicken eggs¹ for 3 days at 33.5°C in a humidified chamber

³The Chicken Embryo Infectious Dose 50% (CEID₅₀) 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% (LD₅₀) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the CEID₅₀ provides a measure of the infectious titer (or infectivity) of a virus preparation.

⁴2 days at 35°C in a humidified chamber

⁵Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 07 JUN 2013

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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.

