

Influenza A Virus, A/California/07/2009 (H1N1)pdm09, Egg Isolate (Produced in Eggs)
Catalog No. NR-13663

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Product Description:

Influenza A virus, A/California/07/2009 (H1N1)pdm09 was isolated from a 54-year-old man in California on April 9, 2009. NR-13663 was produced in the allantoic cavity of specific pathogen free (SPF) embryonated chicken eggs (9- to 11-day-old; AVS Bio, Norwich, Connecticut, USA) infected with BEI Resources seed lot 58632373 for 2 days at 35°C in a humidified chamber.

Lot: 70074061
Manufacturing Date: 06FEB2025

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity Using Embryonated Chicken Eggs Hemagglutination activity using allantoic fluid from infected eggs and 0.5% turkey red blood cells	Positive	Positive
Sequencing of Hemagglutinin and Matrix Coding Regions Hemagglutinin (~ 450 nucleotides) Matrix (~ 910 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)	100% identity with A/California/ 07/2009 (H1N1)pdm09 (GenBank: CY121680.1) 100% identity with A/California/ 07/2009 (H1N1)pdm09 (GenBank: CY121681.1)
Titer by CEID₅₀ Assay in Embryonated Chicken Eggs¹ 2 days at 35°C in a humidified chamber	Report results	1.08 × 10 ⁸ CEID ₅₀ /mL
Sterility test (BacT/ALERT 3D) iAST bottle (aerobic) at 32.5°C, 14-day incubation iNST bottle (anaerobic) at 32.5°C, 14-day incubation	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

¹The 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.

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11 JUN 2025

Technical Manager or designee, ATCC Federal Solutions

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