

Influenza A Virus, A/New York/18/2009 (H1N1), Egg Isolate (Produced in Eggs)

Catalog No. NR-14694

Product Description: Pooled allantoic fluid from specific-pathogen free (SPF) embryonated chicken eggs¹ infected with influenza A virus, A/New York/18/2009 (H1N1)

Passage History: E3/E2 (CDC/BEI); E# = Number of passages in embryonated chicken eggs

Lot²: 59437965

Manufacturing Date: 11FEB2011

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity Using Embryonated Chicken Eggs¹ Hemagglutination activity using allantoic fluid from infected eggs and 0.5% chicken red blood cells	Positive	Positive
Sequencing of Species- and Strain-Specific Regions Hemagglutinin gene (~ 444 nucleotides) Matrix gene (~ 891 nucleotides)	Consistent with A/New York/18/2009 (H1N1) (GenBank: GQ232064) Consistent with A/New York/18/2009 (H1N1) (GenBank: GO457504)	99% identity with A/New York/18/2009 (H1N1) (GenBank: GQ232064) Identical to A/New York/18/2009 (H1N1) (GenBank: GO457504)
Titer by CEID₅₀ Assay^{3,4} in Embryonated Chicken Eggs¹	Report results	8.9 X 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
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

¹ 19- to 11-day-old SPF Fertile Chicken Eggs acquired from B&E Eggs, York Springs, Pennsylvania

² Grown in the allantoic cavity of embryonated chicken eggs¹ for 48 hours at 35°C in a humidified chamber without CO₂

³ The 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.

⁴ 2 days at 35°C in a humidified chamber without CO₂

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

Date: 02 JUN 2011

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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