

Influenza A Virus, A/blue-winged teal/Illinois/10OS1563/2010 (H4N6)

Catalog No. NR-35982

Product Description: Pooled allantoic fluid from specific pathogen free (SPF) embryonated chicken eggs¹ infected with influenza A virus, A/blue-winged teal/Illinois/10OS1563/2010 (H4N6)

Lot²: 61876024

Manufacturing Date: 01AUG2013

| 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 Hemagglutinin and Matrix Coding Regions Hemagglutinin (389 nucleotides) Matrix (927 nucleotides) | Consistent with A/blue-winged teal/Illinois/10OS1563/2010 (H4N6) Consistent with A/blue-winged teal/Illinois/10OS1563/2010 (H4N6) | 100% identity with A/blue-winged teal/Illinois/10OS1563/2010 (H4N6) (GenBank: CY132909) 100% identity with A/blue-winged teal/Illinois/10OS1563/2010 (H4N6) (GenBank: CY132910) |
| Titer by CEID₅₀ Assay^{3,4} in Embryonated Chicken Eggs¹ | Report results | 8.9 × 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 Blood 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 |

¹9- to 10-day-old SPF Embryonated Chicken Eggs acquired from B&E Eggs, York Springs, Pennsylvania

²Grown in the allantoic cavity of embryonated chicken eggs¹ for 2 days at 35°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: 05 NOV 2013

Signature:



Title:

Technical Manager, BEI Authentication or designee

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