

Influenza A Virus, A/Melbourne/1/1946 (H1N1) (clone)

Catalog No. NR-28645

Product Description: Pooled allantoic fluid from specific pathogen free (SPF) embryonated chicken eggs¹ infected with influenza A virus, A/Melbourne/1/1946 (H1N1)

Lot²: 61598439

Manufacturing Date: 29MAR2013

| 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 (444 nucleotides) Matrix (945 nucleotides) | Consistent with A/Melbourne/1/1946 (H1N1) Consistent with A/Melbourne/1/1946 (H1N1) | 100% identity with A/Melbourne/1/1946 (H1N1) (GenBank: CY045772) 100% identity with A/Melbourne/1/1946 (H1N1) (GenBank: CY045773) |
| Titer by CEID₅₀ Assay^{3,4} in Embryonated Chicken Eggs¹ | Report results | 2.8 × 10 ¹⁰ 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 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-day-old SPF Embryonated Chicken Eggs acquired from B&E Eggs, York Springs, Pennsylvania

²Grown in the allantoic cavity of embryonated chicken eggs¹ for 3 days at 34°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.

⁴3 days at 34°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: 25 JUL 2013

Signature:



Title:

Technical Manager, BEI Authentication or designee

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