

Influenza A Virus, A/Wilson-Smith/1933 (H1N1)

Catalog No. NR-3176

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Product Description: Pooled allantoic fluid from embryonated chicken eggs infected with influenza A virus, A/Wilson-Smith/1933 (H1N1).

Lot: V-301-081-000

Manufacturing Date: 03DEC1962

TEST	SPECIFICATIONS	RESULTS (SEP 2011)
Infectivity Using Embryonated Chicken Eggs¹ Hemagglutination assay	Positive	Positive
Sequencing of Hemagglutinin Gene (337 nucleotides)	Consistent with Influenza A/Wilson-Smith/1933 (H1N1) GenBank: CY009604	99% identity with Influenza A/Wilson-Smith (H1N1) GenBank: CY009604
Titer by CEID₅₀ Assay^{2,3} in Embryonated Chicken Eggs¹	Report results	8.9 × 10 ⁷ CEID ₅₀ per mL
Sterility (21-day incubation) Harpo's HTYE broth ⁴ , 37°C and 26°C, aerobic Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep 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

¹10 to11-day-old SPF Embryonated Chicken Eggs.

²The 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.

³2 days at 35°C in a humidified chamber without CO₂.

⁴Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 27 FEB 2012

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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