

**Influenza A Virus, A/swine/1976/1931 (H1N1)**

**Catalog No. NR-3168**

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**Product Description:** Pooled allantoic fluid from embryonated chicken eggs infected with influenza A virus, A/swine/1976/1931 (H1N1)

**Lot: V-301-001-000**

**Manufacturing Date: ~ 1969**

TEST	SPECIFICATIONS	RESULTS (MAY 2012)
<b>Identification by Infectivity Using Embryonated Chicken Eggs<sup>1</sup></b> Hemagglutination activity using allantoic fluid from infected eggs and 0.5% chicken red blood cells	Positive	Positive
<b>Sequencing of Hemagglutinin and Matrix Coding Regions</b> Hemagglutinin (796 nucleotides)  Matrix (826 nucleotides)	Consistent with A/swine/1976/1931 (H1N1)  Consistent with A/swine/1976/1934 (H1N1)	99% identity with A/swine/1976/1931 (H1N1) (GenBank: CY045740)  100% identity with A/swine/1976/1934 (H1N1) (GenBank: CY045741)
<b>Titer by CEID<sub>50</sub> Assay<sup>2,3</sup> in Embryonated Chicken Eggs<sup>1</sup></b>	Report results	8.9 × 10 <sup>6</sup> CEID <sub>50</sub> per mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>4</sup> , 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 <sub>2</sub>	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
<b>Mycoplasma Contamination</b> 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

<sup>1</sup>11-day-old SPF Embryonated Chicken Eggs

<sup>2</sup>The Chicken Embryo Infectious Dose 50% (CEID<sub>50</sub>) 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% (LD<sub>50</sub>) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the CEID<sub>50</sub> provides a measure of the infectious titer (or infectivity) of a virus preparation.

<sup>3</sup>2 days at 35°C in a humidified chamber

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

**Date:** 01 JUN 2012

**Signature:** *Dorothy C. Young*

**Title:** Technical Manager, BEI Authentication or designee

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