

**Influenza A Virus, A/Puerto Rico/8/1934 (H1N1)**

**Catalog No. NR-3169**

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**Product Description:** Pooled allantoic fluid from embryonated chicken eggs infected with influenza A virus, A/Puerto Rico/8/1934 (H1N1)

**Lot: V-301-011-000**

**Manufacturing Date: 12MAR1962**

TEST	SPECIFICATIONS	RESULTS (APR 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 (306 nucleotides)  Matrix (893 nucleotides)	Consistent with A/Puerto Rico/8/1934 (H1N1)  Consistent with A/Puerto Rico/8/1934 (H1N1)	99% identity with A/Puerto Rico/8/1934 (H1N1) (GenBank: CY033577) 100% identity with A/Puerto Rico/8/1934 (H1N1) (GenBank: CY033578)
<b>Titer by CEID<sub>50</sub> Assay<sup>2,3</sup> in Embryonated Chicken Eggs<sup>1</sup></b>	Report results	5.0 × 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
<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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