

**Influenza A Virus, A/Chile/34/2010 (pH1N1)**

**Catalog No. NR-55492**

**Product Description:**

Influenza A Virus, A/Chile/34/2010 (pH1N1) was isolated from a nasal swab from a human in Chile in 2010. NR-55492 lot 70052636 was produced by infecting specific pathogen free (SPF) embryonated chicken eggs with the deposited material and incubating for 2 days at 37°C.

**Lot: 70052636**

**Manufacturing Date: 05MAY2022**

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TEST	SPECIFICATIONS	RESULTS
<b>Identification by Infectivity Using Embryonated Chicken Eggs</b> Hemagglutination activity using allantoic fluid from infected eggs and 0.5% chicken red blood cells	Positive	Positive
<b>Sequencing of Matrix Coding Region</b> Hemagglutinin (~ 1730 nucleotides)  Matrix (~ 990 nucleotides)	≥ 98% identity with A/Chile/34/2010 (pH1N1) (GenBank: CY092992) ≥ 98% identity with A/Chile/34/2010 (pH1N1) (GenBank: CY092993)	99.9% identity with A/Chile/34/2010 (pH1N1) (GenBank: CY092992) 99.9% identity with A/Chile/34/2010 (pH1N1) (GenBank: CY092993)
<b>Titer by CEID<sub>50</sub> Assay in Embryonated Chicken Eggs<sup>1</sup></b> (2 days at 37°C in a humidified chamber)	Report results	1.6 × 10 <sup>7</sup> CEID <sub>50</sub> per mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth, 37°C and 26°C, aerobic <sup>2</sup> 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, aerobic	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>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>2</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

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