

**Influenza A Virus, A/duck/England/1/1956 (H11N6) (uncloned)**

**Catalog No. NR-28615**

**Product Description:** Pooled allantoic fluid from specific pathogen free (SPF) embryonated chicken eggs<sup>1</sup> infected with influenza A virus, A/duck/England/1/1956 (H11N6)

**Lot<sup>2</sup>: 61660347**

**Manufacturing Date: 26APR2013**

TEST	SPECIFICATIONS	RESULTS
<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 (386 nucleotides)  Matrix (964 nucleotides)	Consistent with A/duck/United Kingdom/1/1956 (H11N6) <sup>3</sup>  Consistent with A/duck/United Kingdom/1/1956 (H11N6) <sup>3</sup>	99% identity with A/duck/United Kingdom/1/1956 (H11N6) (GenBank: CY087840) <sup>3</sup>  99% identity with A/duck/United Kingdom/1/1956 (H11N6) (GenBank: CY087841) <sup>3</sup>
<b>Titer by CEID<sub>50</sub> Assay<sup>4,5</sup> in Embryonated Chicken Eggs<sup>1</sup></b>	Report results	8.9 × 10 <sup>9</sup> CEID <sub>50</sub> per mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>6</sup> , 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 <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>9- to 10-day-old SPF Embryonated Chicken Eggs acquired from B&E Eggs, York Springs, Pennsylvania

<sup>2</sup>Grown in the allantoic cavity of embryonated chicken eggs<sup>1</sup> for 3 days at 34°C in a humidified chamber

<sup>3</sup>NR-28615 was deposited to BEI Resources as A/duck/England/1/1956 (H11N6), but nucleotide sequence obtained from the same source material by the NIAID Influenza Genome Sequencing Consortium was deposited to NCBI as A/duck/United Kingdom/1/1956 (H11N6). Comparison of several published nucleotide sequences indicates that the two strain designations can be considered synonymous.

<sup>4</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>5</sup>3 days at 34°C in a humidified chamber

<sup>6</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

**Date:** 15 AUG 2013

**Signature:**



**Title:**

Technical Manager, BEI Authentication or designee

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