

**Kilbourne F79: A/turkey/Massachusetts/3740/75 (HA) x A/Beijing/32/92 (NA) x A/Puerto Rico/8/34 (H6N2), Reassortant X-118a**

**Catalog No. NR-3552**

**Product Description:** Pooled allantoic fluid from specific-pathogen free (SPF) embryonated chicken eggs<sup>1</sup> infected with reassortant influenza A virus, A/turkey/Massachusetts/3740/75 (HA) x A/Beijing/32/92 (NA) x A/Puerto Rico/8/34 (H6N2). (Kilbourne F79; X-118a).

**Lot<sup>2,3</sup>: 58555146**

**Manufacturing Date: 13MAR2009**

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 Species-Specific Region</b> Matrix gene (~ 450 nucleotides)	Influenza A virus	Influenza A virus
<b>Titer by CEID<sub>50</sub> Assay<sup>4,5</sup> in Embryonated Chicken Eggs<sup>1</sup></b>	Report results	8.9 X 10 <sup>8</sup> CEID <sub>50</sub> /mL
<b>RT-PCR Assay of Extracted RNA<sup>6</sup></b>	~ 1030 bp amplicon	~ 1030 bp amplicon
<b>Sterility (BacT/ALERT<sup>®</sup> 3D Microbial Detection System)</b> 14-day incubation of NR-3552: i NST culture bottle, 32°C, anaerobic i AST culture bottle, 32°C, aerobic	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>10 to 11-day-old SPF Fertile Chicken Eggs acquired from B&E Eggs, York Springs, Pennsylvania

<sup>2</sup>Derived from NIAID Catalog No. V-331-0E5240

<sup>3</sup>Grown in the allantoic cavity of embryonated chicken eggs<sup>1</sup> for 2 days at 35°C in a humidified chamber

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

<sup>6</sup>The primers are described in Hoffmann, E., et al. "Universal Primer Set for the Full-Length Amplification of All Influenza A Viruses." *Arch. Virol.* 146 (2001): 2275-2289. PubMed: 11811679.

**Date:** 20 MAY 2009

**Signature:** Signature on File

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

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