

**Ferret Hyperimmune Sera to Influenza A/Mexico/4108/2009 (H1N1)pdm09**

**Catalog No. NR-19264**

This reagent is the tangible property of the U.S. Government.

**Product Description:** NR-19264 is a preparation of pooled antisera from eight ferrets that were intranasally inoculated with  $10^5$  CEID<sub>50</sub> of influenza virus, A/Mexico/4108/2009 (H1N1)pdm09. Prior to infection, the ferrets were shown to be negative for antibodies against 2009-2010 seasonal H1N1 and H3N2 influenza A viruses, 2009 seasonal influenza B viruses of both the Victoria and Yamagata lineage and the 2009 H1N1 pandemic influenza A virus.

**Lot: 59311903**

**Manufacturing Date: 07JUL2010**

TEST	SPECIFICATIONS	RESULTS
<b>Hemagglutinin Inhibition Titers</b> A/Mexico/4108/2009 (H1N1)pdm09 Virus <sup>1</sup> Positive control Negative control	> 160 Positive Negative	2560 Positive (≥ 640) Negative (< 10)
<b>Hemagglutinin Inhibition Specificity Assays<sup>1,2</sup></b> Pandemic 2009 H1N1 BPL-inactivated antigen A/California/07/2009 NYMC X-179A (H1N1)pdm09 Seasonal H1N1 BPL-inactivated antigen A/Brisbane/59/2007 IVR148 (H1N1) Seasonal H3N2 BPL-inactivated antigen A/Uruguay/716/2007 X-175C (H3N2) Seasonal B BPL-inactivated antigens B/Florida/4/2006 (Yamagata Lineage) B/Brisbane/60/2008 (Victoria Lineage)	Report results Report results Report results Report results Report results	Positive Negative Negative Negative Negative
<b>Sterility (14-day incubation)</b> Bacterial growth media Tissue culture media	No growth No growth	No growth No growth
<b>Screening for Infectious Virus in Embryonated Chicken Eggs<sup>3</sup></b> 1 <sup>st</sup> round of amplification (3-day incubation) 2 <sup>nd</sup> round of amplification (3-day incubation)	None detected None detected	None detected None detected

<sup>1</sup>Using 0.5% turkey red blood cells

<sup>2</sup>In-life bleeds (21-day) from each individual ferret were tested for specificity using the indicated BPL-inactivated virus antigens from the 2009-2010 WHO Influenza Reagent Kit for Identification of Influenza Isolates.

<sup>3</sup>Allantoic fluid collected after each round of amplification was tested for hemagglutination activity.

**Date:** 09 MAY 2013

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

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

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