

## **Certificate of Analysis for NR-20530**

## Polyclonal Anti-Influenza Virus H5 Hemagglutinin (HA), A/duck/Hunan/795/2002 (H5N1) (antiserum, Goat)

## Catalog No. NR-20530

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

**Product Description:** Antiserum to the H5 hemagglutinin (HA) from influenza virus was produced by immunization of a goat with baculovirus-expressed H5 HA protein from A/duck/Hunan/795/2002 (H5N1).

Lot: 59536404 Manufacturing Date: 07JUL2010

TEST	SPECIFICATIONS	RESULTS
Functional Activity		
Hemagglutinin inhibition (HI) titer		
Clade 2.1	B	4.4000
rg A/duck/Hunan/795/2002 (H5N1)	Report results	1:1280
HI assay with antigens representing 16 HA subtypes	Specific to H5 HA subtype	Specific to H5 HA subtype
HI titers with H5 HA influenza viruses		
Clade 0		
rg A/Hong Kong/213/2003 (H5N1)	Report results	> 1:5120
Clade 1		
rg A/Vietnam/1203/2004 (H5N1)	Report results	1:160
Clade 2.1.3		
rg A/Indonesia/5/2005 (H5N1)	Report results	1:1280
Clade 2.2		
rg A/whooper swan/Mongolia/244/2005 (H5N1)	Report results	1:2560
A/bar-headed goose/Qinghai/1A/2005 (H5N1)	Report results	1:1280
Clade 2.3.4		
rg A/Anhui/1/2005 (H5N1)	Report results	1:1280
rg A/duck/Laos/3295/2006 (H5N1)	Report results	1:320
rg A/Japanese white eye/Hong Kong/1038/2006 (H5N1)	Report results	1:640
Clade 4	<b>.</b>	
rg A/goose/Guiyang/337/2006 (H5N1)	Report results	1:80
Sterility	Report results	Low bioburden

Date: 25 FEB 2011 Signature: Doothy C. Young

Title: Technical Manager, BEI Authentication or designee

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