

**Influenza A Virus H5 Primers**

**Catalog No. NR-12076**

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**Product Description:** NR-12076 is designed to detect the presence of the hemagglutinin (HA) gene from influenza A virus subtype 5 (H5) using a reverse transcription polymerase chain reaction, resulting in an amplicon of approximately 540 base pairs.

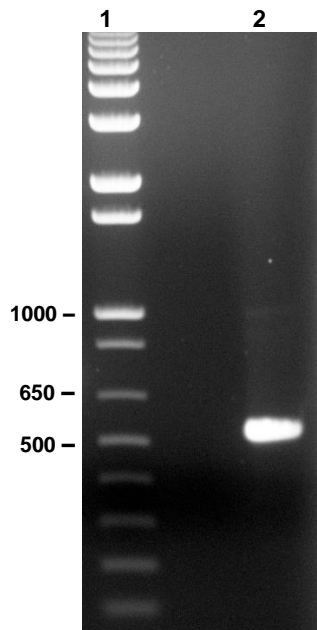
**Lot: 58401894**

**Manufacturing Date: 23SEP2008**

TEST	SPECIFICATIONS	RESULTS
<b>PCR Amplification and Sequencing<sup>1,2</sup></b> Amplicon size NCBI blast of sequence	Expected size Expected sequence	~ 540 bp (Figure 1) H5
<b>Specificity</b>	Specific for H5	Specific for H5
<b>Concentration of Each Primer</b>	Report results	25 µM

<sup>1</sup>Viral genomic RNA from influenza A virus, A/duck/Pennsylvania/10218/84 (H5N2) was extracted using a Qiagen QIAamp® Viral RNA Mini kit. Note:  
<sup>2</sup>The primers are described in Lee, M. S., et al. "Identification and Subtyping of Avian Influenza Viruses by Reverse Transcription-PCR." *J. Virol. Methods* 97 (2001): 13-22. PubMed: 11483213.

**Figure 1: RT-PCR Amplification of Genomic RNA from Influenza A Virus, A/duck/Pennsylvania/10218/84 (H5N2)**



Lane 1: Invitrogen™ 1 Kb Plus DNA Ladder™  
 Lane 2: 500 ng

Note: The viral genomic RNA is in a background of cellular and carrier RNA.

**Date:** 05 FEB 2009

**Signature:** Signature on File

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

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