

**Influenza A Virus H11 Primers**

**Catalog No. NR-15423**

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

**Product Description:** NR-15423 contains forward and reverse primers that specifically amplify a region of the HA gene of influenza A virus subtype 11 (H11), resulting in an amplicon of approximately 433 bp.

**Lot: 58732875**

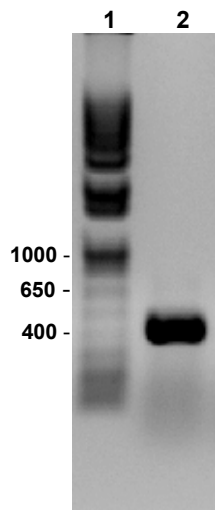
**Manufacturing Date: 09JUL2009**

TEST	SPECIFICATIONS	RESULTS
<b>PCR Amplification and Sequencing<sup>1,2</sup></b> Amplicon size NCBI blast of sequence	Expected size Expected sequence	~ 433 bp (Figure 1) H11
<b>Specificity</b>	Specific for H11	Specific for H11
<b>Concentration of Each Primer</b>	Report results	50 µM

<sup>1</sup>Viral genomic RNA from influenza A virus, A/duck/England/1956 (H11N6) was extracted using a Qiagen QIAamp® Viral RNA Mini kit. The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

<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/England/1956 (H11N6)**



Lane 1: Invitrogen™ 1 Kb Plus DNA Ladder™  
Lane 2: 500 ng A/duck/England/1956 RNA

**Date:** 23 MAR 2011

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

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

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