

## Influenza A Virus H7 Primers

### Catalog No. NR-12077

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

**Product Description:** NR-12077 is designed to detect the presence of the hemagglutinin (HA) gene from influenza A virus subtype 7 (H7) using a reverse transcription polymerase chain reaction, resulting in an amplicon of approximately 620 base pairs.

**Lot: 58401895**

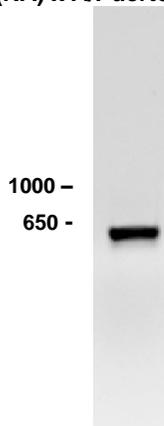
**Manufacturing Date: 23SEP2008**

TEST	SPECIFICATIONS	RESULTS
<b>PCR Amplification and Sequencing<sup>1,2</sup></b> Amplicon size NCBI blast of sequence	Expected size Expected sequence	~ 620 bp (Figure 1) H7
<b>Specificity</b>	Specific for H7	Specific for H7
<b>Concentration of Each Primer</b>	Report results	25 µM

<sup>1</sup>Viral genomic RNA from influenza A virus, A/equine/Prague/1/56 (HA) x A/Aichi/2/68 (NA) x A/Puerto Rico/8/34 (H7N2), Reassortant X-33, NA Deficient (BEI Resources NR-3620) was extracted using a Qiagen QIAamp<sup>®</sup> Viral RNA Mini kit.

<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 Approximately 5 ng of Genomic RNA Isolated from Influenza A Virus, A/equine/Prague/1/56 (HA) x A/Aichi/2/68 (NA) x A/Puerto Rico/8/34 (H7N2), Reassortant X-33, NA Deficient**



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

**Date:** 29 JAN 2009

**Signature:** Signature on File

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

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