

Influenza A Virus H1 Primers

Catalog No. NR-12316

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Product Description: NR-12316 is designed to detect the presence of the hemagglutinin (HA) gene from influenza A virus subtype 1 (H1) using a reverse transcription polymerase chain reaction, resulting in an amplicon of approximately 470 base pairs.

Lot: 58630494

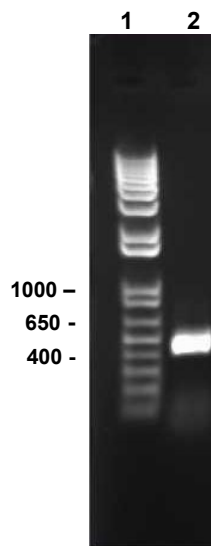
Manufacturing Date: 28JAN2009

TEST	SPECIFICATIONS	RESULTS
PCR Amplification and Sequencing^{1,2} Amplicon size NCBI blast of sequence	Expected size Expected sequence	~ 470 bp (Figure 1) H1
Specificity	Specific for H1	Specific for H1
Concentration of Each Primer	Report results	50 µM

¹Viral genomic RNA (BEI Resources NR-9685) from influenza A virus, A/New Jersey/11/76 (H1N1) Mutant, High Yield (H) HA, Kilbourne F7 was extracted using a Qiagen QIAamp[®] Viral RNA Mini kit.

²The 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 Serially Diluted Genomic RNA from Influenza A Virus, A/New Jersey/11/76 (H1N1) Mutant, High Yield (H) HA



Lane 1: Invitrogen™ 1 Kb Plus DNA Ladder™

Lane 2: 500 ng (The viral genomic RNA is in a background of cellular and carrier RNA.)

Date: 15 JUN 2009

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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