

Influenza A Virus H3 Primers

Catalog No. NR-12075

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Product Description: NR-12075 is designed to detect the presence of the hemagglutinin (HA) gene from influenza A virus subtype 3 (H3) using a reverse transcription polymerase chain reaction, resulting in an amplicon of approximately 720 base pairs.

Lot: 58401893

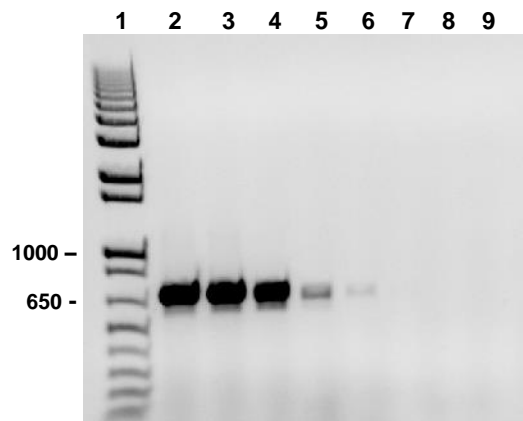
Manufacturing Date: 23SEP2008

TEST	SPECIFICATIONS	RESULTS
PCR Amplification and Sequencing^{1,2} Amplicon size NCBI blast of sequence	Expected size Expected sequence	~ 720 bp (Figure 1) H3
Specificity	Specific for H3	Specific for H3
Concentration of Each Primer	Report results	25 µM

¹Viral genomic RNA from influenza A virus, A/Aichi/2/68 (H3N2) 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/Aichi/2/68 (H3N2)



Lane 1: Invitrogen™ 1 Kb Plus DNA Ladder™
Lane 2: 5000 ng
Lane 3: 500 ng
Lane 4: 50 ng
Lane 5: 5 ng
Lane 6: 0.5 ng
Lane 7: 0.05 ng
Lane 8: 0.005 ng
Lane 9: No RNA

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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