

**Genomic RNA from Influenza A virus, A/duck/Alberta/35/1976 (H1N1)**

**Catalog No. NR-43010**

**Product Description:** Genomic RNA was isolated from a preparation of pooled allantoic fluid from specific pathogen free (SPF) embryonated chicken eggs<sup>1</sup> infected with influenza A virus, A/duck/Alberta/35/1976 (H1N1).

**Lot<sup>2</sup>: 61525655**

**Manufacturing Date: 08FEB2013**

TEST	SPECIFICATIONS	RESULTS
<b>Sequencing of Influenza A Specific Region</b> Matrix gene (460 nucleotides)	Consistent with A/duck/Alberta/35/1976 (H1N1)  Consistent with NR-21649	99% identity with A/duck/Alberta/35/1976 (H1N1) (GenBank: CY130007) Consistent with NR-21649
<b>Functional Activity by RT-PCR Amplification<sup>3,4</sup></b>	~ 1025 bp amplicon	~ 1025 bp amplicon (See Figure 1)
<b>Total RNA Content by RiboGreen<sup>®</sup> Measurement (Viral, Cellular and Carrier)</b>	Report results	10.1 ng per 100 µL
<b>Virus Inactivation</b> 10% of total yield incubated in SPF embryonated chicken eggs <sup>1</sup> and evaluated by hemagglutination assay <sup>5</sup>	No virus detected	No virus detected

<sup>1</sup>9- to 11-day-old SPF Embryonated Chicken Eggs acquired from B&E Eggs, York Springs, Pennsylvania

<sup>2</sup>Nucleic acid was extracted from a preparation of influenza A virus, A/duck/Alberta/35/1976 (H1N1) (BEI Resources NR-21649; Lot 59772067), using a QIAamp<sup>®</sup> Viral RNA Mini Kit (Qiagen 52906).

<sup>3</sup>Amplified using One-Step RT-PCR Kit (Qiagen 210212) with 5µL of NR-43010 in a 50 µL reaction

<sup>4</sup>The primers are described in Hoffmann, E., et al. "Universal Primer Set for the Full-Length Amplification of All Influenza A Viruses." *Arch. Virol.* 146 (2001): 2275-2289. PubMed: 11811679.

<sup>5</sup>Use of the QIAamp<sup>®</sup> Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of influenza viruses.

**Date:** 03 JUN 2013

**Signature:** 

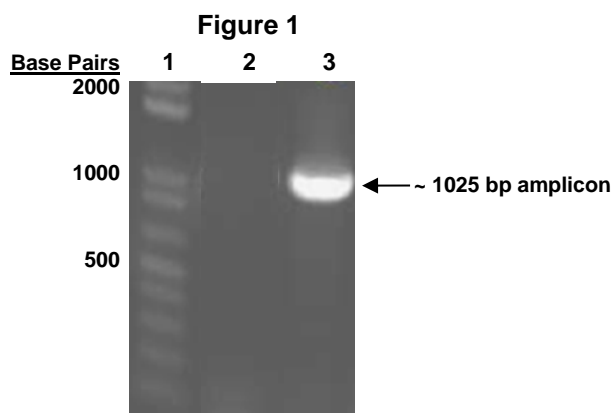
**Title:** Technical Manager, BEI Authentication or designee

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Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder  
Lane 2: Negative control  
Lane 3: NR-43010