

Genomic RNA from Influenza A virus, A/duck/Ukraine/1963 (H3N8)

Catalog No. NR-43011

Product Description: Genomic RNA was isolated from a preparation of pooled allantoic fluid from specific pathogen free (SPF) embryonated chicken eggs¹ infected with influenza A virus, A/duck/Ukraine/1963 (H3N8).

Lot²: 61525653

Manufacturing Date: 04FEB2013

TEST	SPECIFICATIONS	RESULTS
Sequencing of Influenza A Specific Region Matrix gene (864 nucleotides)	Consistent with A/duck/Ukraine/1963 (H3N8) Consistent with NR-21651	100% identity with A/duck/Ukraine/1963 (H3N8) (GenBank: CY005814) Consistent with NR-21651
Functional Activity by RT-PCR Amplification^{3,4}	~ 1025 bp amplicon	~ 1025 bp amplicon (See Figure 1)
Total RNA Content by RiboGreen[®] Measurement (Viral, Cellular and Carrier)	Report results	31.1 ng per 100 µL
Virus Inactivation 10% of total yield incubated in SPF embryonated chicken eggs ¹ and evaluated by hemagglutination assay ⁵	No virus detected	No virus detected

¹9- to 11-day-old SPF Embryonated Chicken Eggs acquired from B&E Eggs, York Springs, Pennsylvania

²Nucleic acid was extracted from a preparation of influenza A virus, A/duck/Ukraine/1963 (H3N8) (BEI Resources NR-21651, Lot 59772070), using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³Amplified using One-Step RT-PCR Kit (Qiagen 210212) with 5µL of NR-43011 in a 50 µL reaction

⁴The 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.

⁵Use of the QIAamp[®] Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of influenza viruses.

Date: 03 JUN 2013

Signature: 

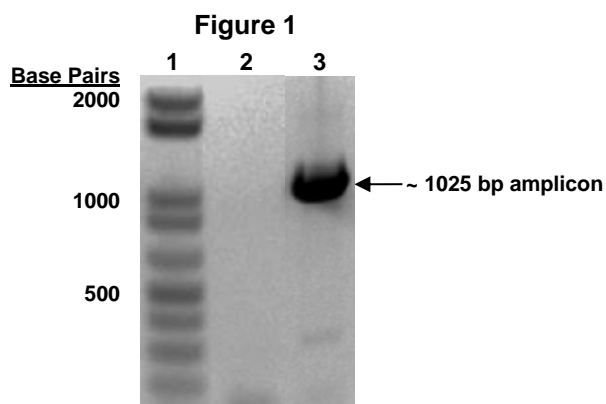
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Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: Negative control
Lane 3: NR-43011