

# Certificate of Analysis for NR-2763

## Genomic RNA from Influenza A Virus, A/duck/Pennsylvania/10218/1984 (H5N2)

Catalog No. NR-2763

**Product Description:** Genomic RNA was isolated from a preparation of pooled chicken allantoic fluid<sup>1</sup> infected with influenza A virus, A/duck/Pennsylvania/10218/1984 (H5N2).

Lot<sup>2</sup>: 7723967

Manufacturing Date: 23JAN2007

TEST	SPECIFICATIONS	RESULTS
<b>Sequencing of Influenza A Specific Region</b> Matrix gene (~ 890 nucleotides)	Influenza A virus	Influenza A virus
<b>Functional Activity by RT-PCR Amplification</b> <sup>3,4</sup>	~ 1000 bp amplicon	~ 1000 bp amplicon (See Figure 1)
<b>Total RNA Content by RiboGreen® Measurement</b> (Viral, Cellular and Carrier)	Report results	25.5 ng per 100 µL
<b>Total DNA Content by PicoGreen® Measurement</b> (Viral and Cellular)	Report results	3.2 ng per 100 µL
<b>Virus Inactivation</b> 10% of total yield evaluated by hemagglutination assay <sup>5</sup>	No virus detected	No virus detected

<sup>1</sup>10 to 11-day-old SPF Fertile 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/Pennsylvania/10218/1984 (H5N2) (BEI Resources NR-2758, Lot 7677042) using a Qiagen QIAamp® Viral RNA Mini kit.

<sup>3</sup>Amplified using 1:25 dilution of NR-2763 and One-Step RT-PCR Kit (Qiagen 210212)

<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>This extraction procedure has been shown to consistently inactivate 100% of influenza viruses.

Date: 10 APR 2014

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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**Figure 1**

