

## **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 infected with influenza A virus, A/duck/Pennsylvania/10218/1984 (H5N2).

Lot<sup>2</sup>: 7723967 Manufacturing Date: 23JAN2007

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

<sup>10</sup> to 11-day-old SPF Fertile Chicken Eggs acquired from B&E Eggs, York Springs, Pennsylvania

**Date:** 10 APR 2014

Signature:

Title:

Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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<sup>&</sup>lt;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<sup>®</sup> Viral RNA Mini kit.

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

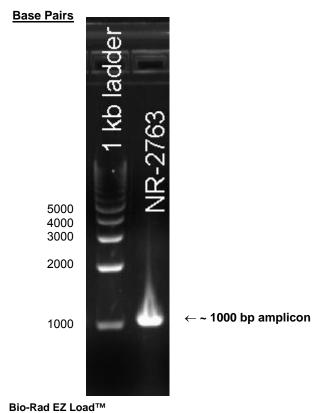
<sup>&</sup>lt;sup>4</sup>The primers are described in Hoffmann, E., et al. "Universal Primer Set for the Full-Length Amplification of All Influenza A Viruses." Arch. Virol. 146 (2001): 2275-2289. PubMed: 11811679.

<sup>&</sup>lt;sup>5</sup>This extraction procedure has been shown to consistently inactivate 100% of influenza viruses.



## **Certificate of Analysis for NR-2763**

Figure 1



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