

Certificate of Analysis for NR-43015

Genomic RNA from Influenza A Virus, A/turkey/Ontario/6118/1968 (H8N4)

Catalog No. NR-43015

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/turkey/Ontario/6118/1968 (H8N4).

Lot²: 62244660

Manufacturing Date: 13JAN2014

TEST	SPECIFICATIONS	RESULTS
Sequencing of Influenza A Specific Region Matrix gene (921 nucleotides)	Consistent with A/turkey/Ontario/6118/1968 (H8N4) Consistent with NR-21658	99% identity with A/turkey/Ontario/6118/1968 (H8N4) (GenBank: GU053172) Consistent with NR-21658
Functional Activity by RT-PCR Amplification ^{3,4}	~ 1025 bp amplicon	~ 1025 bp amplicon (Figure 1)
Total RNA Content by RiboGreen® Measurement (Viral, Cellular and Carrier)	Report results	22 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/turkey/Ontario/6118/1968 (H8N4) (BEI Resources NR-21658, Lot 59772074), using a QIAamp® Viral RNA Mini Kit (Qiagen 52906).

³Amplified using iScript™ One-Step RT-PCR Kit with SYBR® Green (Bio-Rad 170-8892) with 5µL of NR-43015 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: 02 JUL 2014

Signature:



Title:

Technical Manager, BEI Authentication or designee

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