

Certificate of Analysis for NR-2774

Genomic RNA from Influenza A Virus, A/Hong Kong/8/1968 (H3N2)

Catalog No. NR-2774

Product Description: Genomic RNA was isolated from a preparation of pooled chicken allantoic fluid infected with influenza A virus, A/Hong Kong/8/1968 (H3N2).

Lot²: 7642744 Manufacturing Date: 05DEC2006

TEST	SPECIFICATIONS	RESULTS
Sequencing of Influenza A Specific Region Hemagglutinin gene (~ 1340 nucleotides) Matrix gene (~ 590 nucleotides)	Influenza A virus (H3) Influenza A virus	Influenza A virus (H3) Influenza A virus
Functional Activity by RT-PCR Amplification ^{3,4}	~ 1000 bp amplicon	~ 1000 bp amplicon (See Figure 1)
Total RNA Content by RiboGreen [®] Measurement (Viral, Cellular and Carrier)	Report results	93.4 ng per 100 μL
Total DNA Content by PicoGreen [®] Measurement (Viral and Cellular)	Report results	12.2 ng per 100 μL
Virus Inactivation 10% of total yield evaluated by hemagglutination assay ⁵	No virus detected	No virus detected
Sodium Azide Content	Report results	0.0004%

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

Date: 09 APR 2014

Signature: Dorothy C. Young

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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²Nucleic acid was extracted from a preparation of influenza A virus, A/Hong Kong/8/1968 (H3N2) (BEI Resources NR-346; Lot 4729799) using a Qiagen QIAamp[®] Viral RNA Mini kit.

³Amplified using 1:25 dilution of NR-2774 and One-Step RT-PCR Kit (Qiagen 210212)

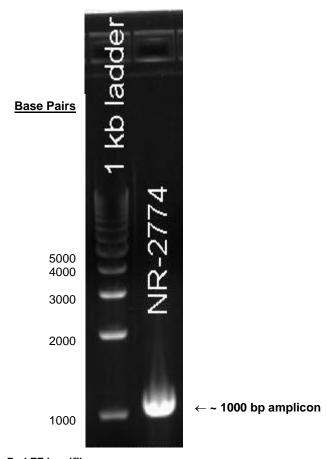
⁴The primers are described in Hoffmann, E., et al. "Universal Primer Set for the Full-Length Amplification of All Influenza A Viruses." <u>Arch. Virol.</u> 146 (2001): 2275-2289. PubMed: 11811679.

⁵This extraction procedure has been shown to consistently inactivate 100% of influenza viruses.



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Figure 1



Bio-Rad EZ Load™ 1kb Molecular Ruler