

Genomic RNA from Influenza A Virus, A/Puerto Rico/8/1934 (H1N1)

Catalog No. NR-2773

Product Description: Genomic RNA was isolated from a preparation of pooled chicken allantoic fluid¹ infected with influenza A virus, A/Puerto Rico/8/1934 (H1N1).

Lot²: 7642743

Manufacturing Date: 05DEC2006

TEST	SPECIFICATIONS	RESULTS
Sequencing of Influenza A Specific Region Hemagglutinin gene (~ 1200 nucleotides) Non-structural gene (~ 670 nucleotides) Matrix gene (~ 490 nucleotides)	Influenza A virus (H1) Influenza A virus Influenza A virus	Influenza A virus (H1) Influenza A virus 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	40 ng per 100 µL
Total DNA Content by PicoGreen[®] Measurement (Viral and Cellular)	Report results	3.6 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

²Nucleic acid was extracted from a preparation of influenza A virus, A/Puerto Rico/8/1934 (H1N1) (BEI Resources NR-348; Lot 4729801) using a Qiagen QIAamp[®] Viral RNA Mini kit.

³Amplified using 1:25 dilution of NR-2773 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." *Arch. Virol.* 146 (2001): 2275–2289. PubMed: 11811679.

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

Date: 09 APR 2014

Signature: 

Title: Technical Manager, BEI Authentication or designee

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Figure 1

