

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 allantoic fluid from specific pathogen free (SPF) embryonated chicken eggs¹ infected with influenza A virus, A/Puerto Rico/8/1934 (H1N1).

Lot²: 62432868

Manufacturing Date: 05MAR2014

| TEST | SPECIFICATIONS | RESULTS |
|---|---|--|
| Sequencing of Influenza A Specific Region Matrix gene (826 nucleotides) | Consistent with A/Puerto Rico/8/1934 (H1N1) Consistent with NR-348 | 99% identity with A/Puerto Rico/8/1934 (H1N1) (GenBank: KC866600) Consistent with NR-348 |
| 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 | 9.2 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/Puerto Rico/8/1934 (H1N1) (BEI Resources NR-348, Lot 62112675) using a Qiagen 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-2773 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: 08 MAY 2014

Signature:



Title:

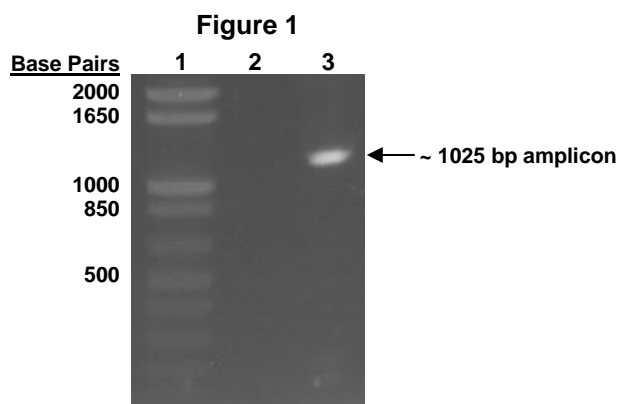
Technical Manager, BEI Authentication or designee

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.

ATCC[®] is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.





Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: Negative control
Lane 3: NR-2773