

Genomic RNA from Influenza A Virus, A/Aichi/2/1968 (H3N2)
Catalog No. NR-9534

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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/Aichi/2/1968 (H3N2).

Lot: 58007006
Manufacturing Date: 05MAR2008

TEST	SPECIFICATIONS	RESULTS
Sequencing of Influenza A Specific Region Matrix gene (770 nucleotides)	Influenza A virus Identical to BEI Resources NR-3177	Influenza A virus Identical to BEI Resources NR-3177
Total RNA Content by RiboGreen® Measurement (Viral, Cellular and Carrier)	Report results	870 ng per 100 µL
Functional Activity by RT-PCR Amplification³ Matrix (M) gene ⁴ Hemagglutinin (HA) gene ⁵	~ 1030 bp amplicon ~ 720 bp amplicon	~ 1030 bp amplicon (Figure 1) ~ 720 bp amplicon (Figure 2)
Virus Inactivation 10% of total yield incubated in SPF embryonated chicken eggs ¹ and evaluated by hemagglutination assay ⁶	No virus detected	No virus detected
Sodium Azide Content	Report results	0.004%

¹11-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/Aichi/2/1968 (H3N2) (BEI Resources NR-3177; Lot 57950344) using a QIAamp® Viral RNA Mini kit (Qiagen 52906).

³Amplified using a One-Step RT-PCR Kit (Qiagen 210212) with 5 µL of NR-9534 in a 50 µL reaction

⁴The M gene 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.

⁵The H3 primers are available as BEI Resources NR-12075 and described in Lee, M. S., et al. "Identification and Subtyping of Avian Influenza Viruses by Reverse Transcription-PCR." *J. Virol. Methods* 97 (2001): 13-22. PubMed: 11483213.

⁶This extraction procedure has been shown to consistently inactivate 100% of influenza viruses.

Date: 15 JAN 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.

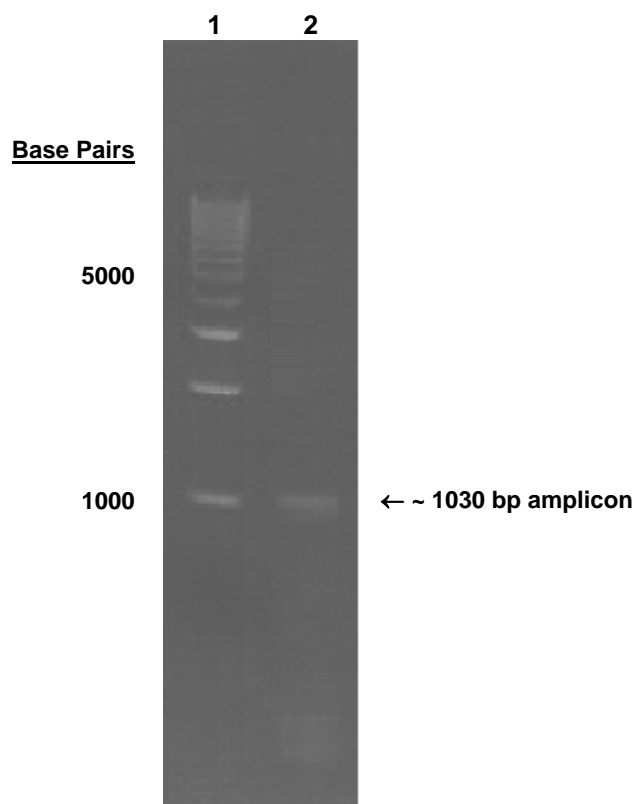
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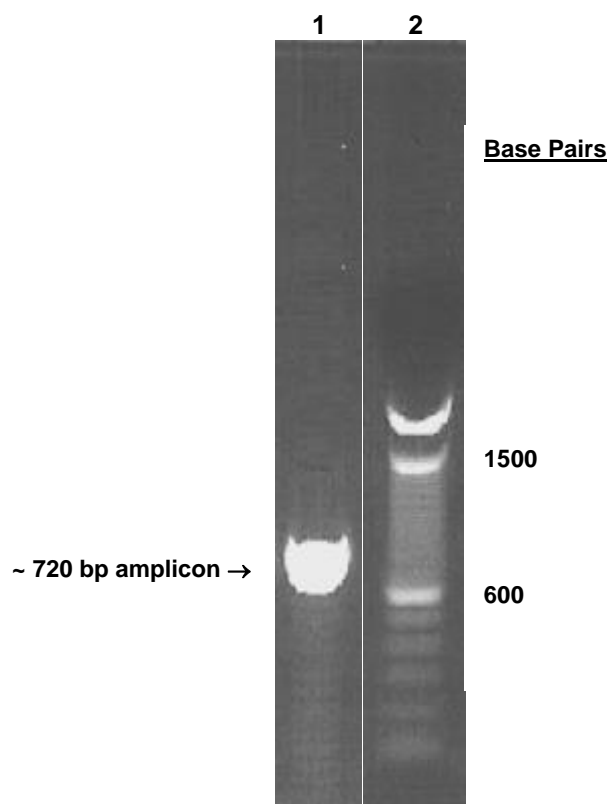
Certificate of Analysis for NR-9534

Figure 1



Lane 1: Bio-Rad EZ Load™ 1kb Molecular Ruler
Lane 2: 10-fold dilution of NR-9534

Figure 2



Lane 1: 10-fold dilution of NR-9534
Lane 2: Invitrogen™ TrackIt™ 100 bp DNA Ladder