

Genomic RNA from Kilbourne F181: A/duck/Singapore/645/97 (H5N3), Wild Type

Catalog No. NR-9682

Product Description: Genomic RNA was isolated from a preparation of pooled allantoic fluid from specific-pathogen free (SPF) embryonated chicken eggs¹ infected with wild type influenza A virus, A/duck/Singapore/645/97 (H5N3) (Kilbourne F181).

Lot²: 58152435

Manufacturing Date: 23APR2008

TEST	SPECIFICATIONS	RESULTS
Sequencing of Influenza A Specific Region Matrix gene (~ 870 nucleotides)	Influenza A virus	Influenza A virus
Functional Activity by RT-PCR Amplification^{3,4}	~ 1030 bp amplicon	~ 1030 bp amplicon (See Figure 1)
Total RNA Content by RiboGreen[®] Measurement (Viral, Cellular and Carrier)	Report results	2475 ng per 100 µL
Total DNA Content by PicoGreen[®] Measurement (Viral and Cellular)	Report results	224 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
Sodium Azide Content	Report results	0.002%

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 wild type influenza A virus, A/duck/Singapore/645/97 (H5N3) (BEI Resources NR-3558; Lot 58077631) using a QIAamp[®] Viral RNA Mini kit (Qiagen 52906).

³Amplified using 1:25 dilution of NR-9682 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: 21 JAN 2011

Signature: 

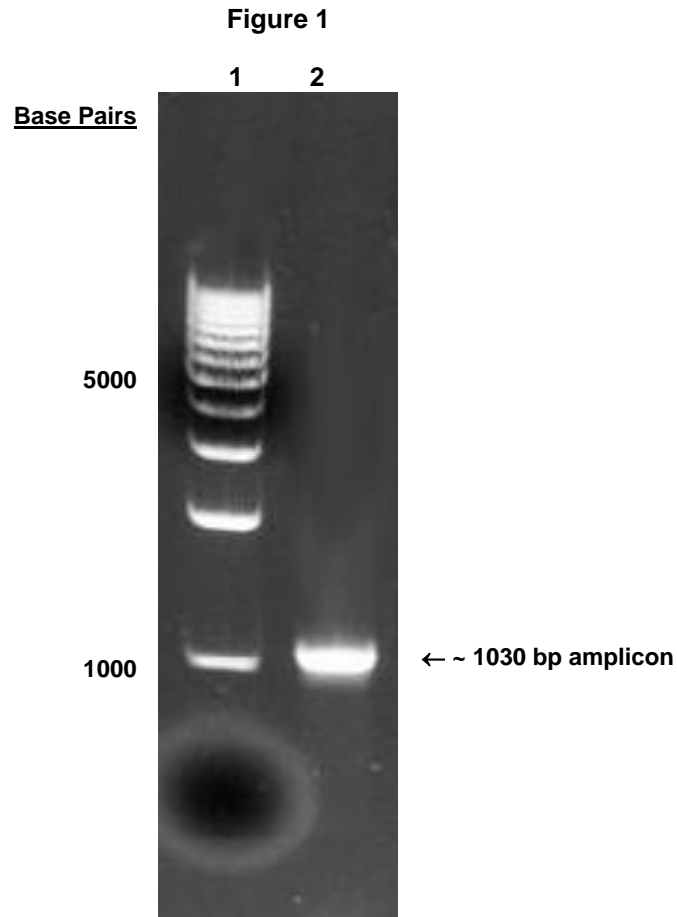
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Lane 1: BioRad 1 kb EZ Load™ Molecular Ruler
Lane 2: 25-fold reaction dilution of NR-9682