

Genomic RNA from Influenza A Virus, A/Brisbane/10/2007 (H3N2)

Catalog No. NR-20081

Product Description: Genomic RNA was isolated from a preparation of pooled allantoic fluid from specific pathogen free embryonated chicken eggs¹ infected with influenza A virus, A/Brisbane/10/2007 (H3N2).

Lot²: 63526276

Manufacturing Date: 21MAY2015

TEST	SPECIFICATIONS	RESULTS
Sequencing of Influenza A Specific Region Matrix gene (940 nucleotides)	Consistent with A/Brisbane/10/2007 (H3N2) Consistent with NR-12283	99% identity with A/Brisbane/10/2007 (H3N2) (GenBank: KJ609217) Consistent with NR-12283
Functional Activity by RT-PCR Amplification^{3,4}	~ 1030 bp amplicon	~ 1030 bp amplicon (Figure 1)
Total RNA Content by RiboGreen[®] Measurement (Viral, Cellular and Carrier)	Report results	208 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/Brisbane/10/2007 (H3N2) (BEI Resources NR-12283; Lot 62886752) using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³Amplified using iTaq[™] Universal SYBR[®] Green One-Step Kit (Bio-Rad 172-5151) with 5 µL of NR-20081 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: 28 JUL 2015

Signature:



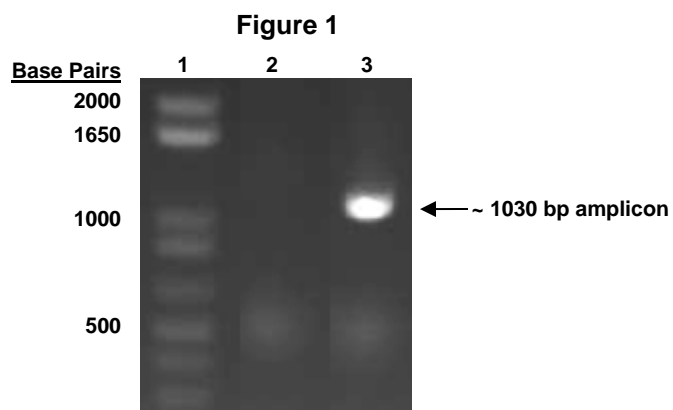
BEI Resources Authentication

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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-20081