

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 (SPF) embryonated chicken eggs infected with influenza A virus, A/Brisbane/10/2007 (H3N2) (BEI Resources seed lot 70018820) using QIAamp® Viral RNA Mini Kit (Qiagen® 52906). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

Lot: 70040995

Manufacturing Date: 12JAN2021

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of species-specific region Matrix gene (~ 950 nucleotides)	≥ 98% identity with A/Brisbane/10/2007 (H3N2) (GenBank: CY039088)	99.9% identity with A/Brisbane/10/2007 (H3N2) (GenBank: CY039088)
Functional Activity by RT-PCR Amplification^{1,2,3} Matrix gene	~ 1000 base pair amplicon	~ 1000 base pair amplicon
Virus Inactivation 10% of total yield inoculated in SPF embryonated chicken eggs and evaluated by hemagglutination assay ⁴	No viable virus detected	No viable virus detected

¹Amplified using iTaq™ Universal SYBR Green One-step Kit (Bio-Rad® 172-5151) with 5 µL of NR-20081 in a 50 µL reaction

²No concentration is available for this item. However, the vial material demonstrates functional activity.

³The 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.

⁴Use of the QIAamp® Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of influenza B viruses as shown by the hemagglutination assay of the entire extract on virus-susceptible SPF embryonated chicken eggs for two passages.

/Heather Couch/
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10 JAN 2022

Program Manager or designee, ATCC Federal Solutions

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