

Genomic RNA from Influenza A Virus, A/turkey/Wisconsin/1/1966 (H9N2)
Catalog No. NR-43016
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/turkey/Wisconsin/1/1966 (H9N2) (BEI Resources lot 59772075) using QIAamp® Viral RNA Mini Kit (Qiagen® 52906). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

Lot: 70057931
Manufacturing Date: 25JAN2023

TEST	SPECIFICATIONS	RESULTS
Sequencing of Specific Coding Regions Hemagglutinin (~ 460 nucleotides) Matrix (~ 890 nucleotides)	≥ 98% identity with A/turkey/Wisconsin/1/1966 (H9N2) (GenBank: CY087824) ≥ 98% identity with A/turkey/Wisconsin/1/1966 (H9N2) (GenBank: CY087825)	99.6% identity with A/turkey/Wisconsin/1/1966 (H9N2) (GenBank: CY087824) 98.8% identity with A/turkey/Wisconsin/1/1966 (H9N2) (GenBank: CY087825)
Functional Activity by RT-PCR Amplification¹	~ 1025 base pair amplicon	~ 1025 base pair amplicon
Estimated Concentration (post-dilution) by RiboGreen® Measurement (Viral, Cellular and Carrier)²	Report results	24.4 ng/100 µL (0.244 µg/mL)
Estimated Amount per Vial²	Report results	24.4 ng
Virus Inactivation 10% of total yield inoculated in SPF embryonated chicken eggs and evaluated by hemagglutination assay ³	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-43016 in a 50 µL reaction

²Measurement is determined pre-vial prior to dilution due to the limit of detection of the quantification method

³Use of the QIAamp® Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of Influenza B as shown by hemagglutination assay.

/Sonia Bjorun Brower/

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04 AUG 2023

Technical Manager or designee, ATCC Federal Solutions

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