

Genomic RNA from Influenza A Virus, A/turkey/Massachusetts/3740/1965 (H6N2)

Catalog No. NR-43013

Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from pooled allantoic fluid from specific pathogen free (SPF) embryonated chicken eggs infected with influenza A virus, A/turkey/Massachusetts/3740/1965 (H6N2) (BEI Resources lot 59772072) using QIAamp® Viral RNA Mini Kit (Qiagen® 52904). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

Lot: 70051829

Manufacturing Date: 20APR2022

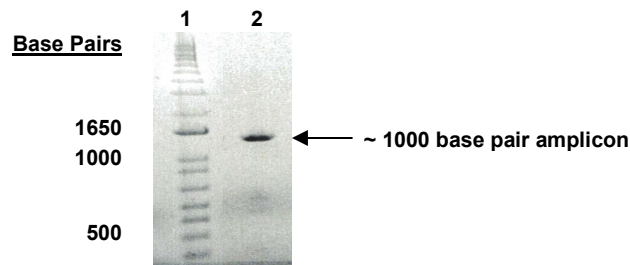
TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of species-specific region (~ 870 nucleotides)	≥ 98% identity with A/turkey/Massachusetts/3740/1965 (H6N2) (GenBank: CY130031)	100% identity with A/turkey/Massachusetts/3740/1965 (H6N2) (GenBank: CY130031)
Functional Activity by RT-PCR Amplification¹ Matrix gene	~ 1000 base pair amplicon	~ 1000 base pair amplicon (Figure 1)
Estimated Concentration (post-dilution) by RiboGreen® Measurement (Viral, Cellular and Carrier)²	Report results	34.2 ng per 100 µL
Estimated Amount per Vial²	Report results	34.2 ng
Virus Inactivation 10% of total yield inoculated 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-43013 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 viruses.

Figure 1: Functional Activity of NR-43013 by RT-PCR Amplification of Matrix Gene



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: PCR product from 1 µL of NR-43013

/Sonia Bjorum Brower/
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