

Genomic RNA from Influenza B Virus, B/Malaysia/2506/2004 (Victoria Lineage)

Catalog No. NR-10048

Product Description:

Genomic RNA was isolated from a preparation of pooled allantoic fluid from specific-pathogen free embryonated chicken eggs infected with influenza B virus, B/Malaysia/2506/2004 (Victoria Lineage) (BEI Resources lot 70038215) using QIAamp® Viral RNA Mini Kit (Qiagen® 52906) and TE buffer, pH 8.0. The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

Lot: 70038216

Manufacturing Date: 31AUG2021

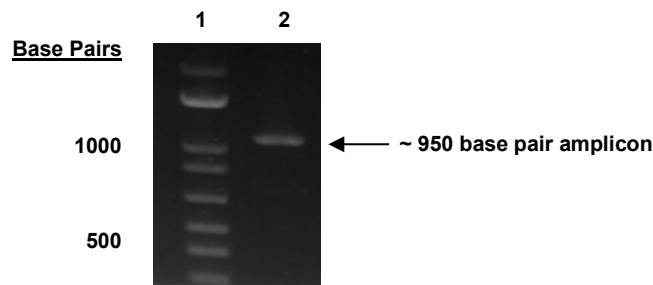
| TEST | SPECIFICATIONS | RESULTS |
|--|---|---|
| Genotypic Analysis Sequencing of species-specific region HA gene (~ 930 nucleotides) | ≥ 98% identity with influenza B virus, B/Malaysia/2506/2004 (GenBank: CY040449.1) | 99.8% identity with influenza B virus, B/Malaysia/2506/2004 (GenBank: CY040449.1) |
| Functional Activity by RT-PCR Amplification¹ HA gene | ~ 950 base pair amplicon | ~ 950 base pair amplicon (Figure 1) |
| Estimated Concentration (post-dilution) by Qubit® Measurement (Viral, Cellular and Carrier)² | Report results | 8.6 ng per 100 µL (0.009 µg per mL) |
| Virus Inactivation 10% of total yield inoculated on on SPF embryonated chicken eggs and evaluated by hemagglutination assay ³ | No viable virus detected | No viable virus detected |

¹Amplified using iScript™ one-step RT-PCR kit with SYBR® Green (Bio-Rad 170-8892) with 5 µL of NR-10048 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-10048 by RT-PCR Amplification of HA Gene



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: PCR product from 1 µL of NR-10048

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Program Manager or designee, ATCC Federal Solutions

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