

Genomic RNA from Influenza B Virus, B/Texas/06/2011 (Yamagata Lineage)

Catalog No. NR-45849

Product Description: Genomic RNA was isolated from a preparation of pooled allantoic fluid from specific pathogen free (SPF) embryonated chicken eggs¹ infected with influenza B Virus, B/Texas/06/2011 (Yamagata Lineage).

Lot²: 62938537

Manufacturing Date: 26SEP2014

TEST	SPECIFICATIONS	RESULTS
Sequencing of Influenza B Specific Region Hemagglutinin gene (905 nucleotides)	Consistent with B/Texas/06/2011 (Yamagata Lineage) Consistent with NR-44022	99% identity with B/Texas/06/2011 (Yamagata Lineage) (GenBank: KC813979) Consistent with NR-44022
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	29 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 B virus, B/Texas/06/2011 (Yamagata Lineage) (BEI Resources NR-44022, Lot 61857476), 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-45849 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: 19 JAN 2015

Signature: *Michael R. Gynther*

Title: Technical Manager, BEI Authentication or designee

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