SUPPORTING INFECTIOUS DISEASE RESEARCH

## 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 eggs<sup>1</sup> infected with influenza B Virus, B/Texas/06/2011 (Yamagata Lineage).

## Lot<sup>2</sup>: 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 <sup>3,4</sup>	~ 1030 bp amplicon	~ 1030 bp amplicon (Figure 1)
Total RNA Content by RiboGreen <sup>®</sup> Measurement (Viral, Cellular and Carrier)	Report results	29 ng per 100 μL
Virus Inactivation 10% of total yield incubated in SPF embryonated chicken eggs <sup>1</sup> and evaluated by hemagglutination assay <sup>5</sup>	No virus detected	No virus detected

<sup>1</sup>9- to 11-day-old SPF Embryonated Chicken Eggs acquired from B&E Eggs, York Springs, Pennsylvania

<sup>2</sup>Nucleic 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<sup>®</sup> Viral RNA Mini Kit (Qiagen 52906).

<sup>3</sup>Amplified using iTaq™ Universal SYBR<sup>®</sup> Green One-Step Kit (Bio-Rad 172-5151) with 5 µL of NR-45849 in a 50 µL reaction

<sup>4</sup>The primers are described in Hoffmann, E., et al. "Universal Primer Set for the Full-Length Amplification of All Influenza A Viruses." <u>Arch. Virol.</u> 146 (2001): 2275-2289. PubMed: 11811679.

<sup>5</sup>Use of the QIAamp<sup>®</sup> Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of influenza viruses.

Date: 19 JAN 2015

Signature:

Michael Q. Com la

Technical Manager, BEI Authentication or designee

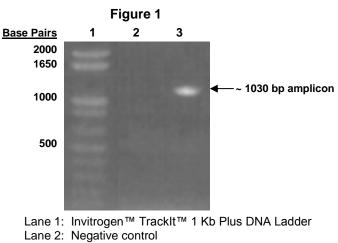
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Lane 2: Negative contro Lane 3: NR-45849