

Genomic RNA from Influenza A Virus, A/Brisbane/59/2007 (HA, NA) x A/Puerto Rico/8/1934 (H1N1), Reassortant IVR-148

Catalog No. NR-43749

Product Description: Genomic RNA was isolated from a preparation of pooled allantoic fluid from specific pathogen free embryonated chicken eggs¹ infected with influenza A virus, A/Brisbane/59/2007 (HA, NA) x A/Puerto Rico/8/1934 (H1N1), Reassortant IVR-148.

Lot²: 63421355

Manufacturing Date: 12MAY2015

TEST	SPECIFICATIONS	RESULTS
Sequencing of Influenza A Specific Region Matrix gene (722 nucleotides)	Consistent with A/Puerto Rico/8/1934 (H1N1) Consistent with NR-41797	100% identity with A/Puerto Rico/8/1934 (H1N1) (GenBank: CY105897) Consistent with NR-41797
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	8.6 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 A virus, A/Brisbane/59/2007 (HA, NA) x A/Puerto Rico/8/1934 (H1N1), Reassortant IVR-148 (BEI Resources NR-41797, Lot 61385572) 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-43749 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: 27 JUL 2015

Signature: 

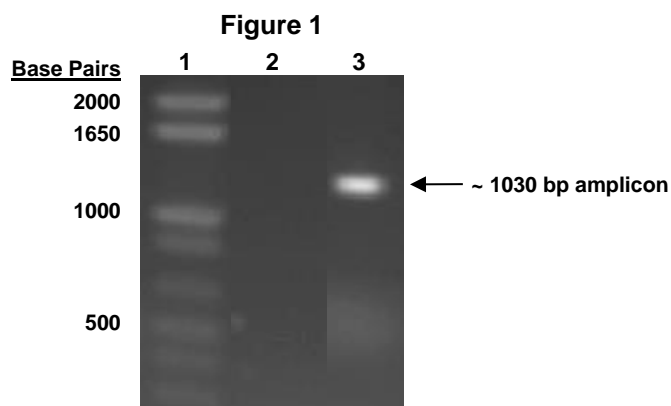
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Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder

Lane 2: Negative control

Lane 3: NR-43749