# Certificate of Analysis for NR-59583

## Genomic RNA from Influenza A Virus, A/Baltimore/JH-0586/2022 (H3N2)

## Catalog No. NR-59583

## Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from Madin-Darby canine kidney SIAT-1 (MDCK-SIAT1) cells infected with Influenza A virus, A/Baltimore/JH-0586/2022 (H3N2) using QIAamp® Viral RNA Mini Kit (Qiagen® 52906). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

**Lot: 70063747** **Manufacturing Date: 09NOV2023**

| TEST | SPECIFICATIONS | RESULTS |
|---|---|---|
| **Genotypic Analysis**<br>Sequencing of species-specific region<br>Matrix gene (~ 920 nucleotides) | Consistent with source virus | Consistent with source virus[1] |
| **Functional Activity by RT-PCR Amplification[2]**<br>Matrix gene | ~ 1000 base pair amplicon | ~ 1000 base pair amplicon |
| **Estimated Concentration (post-dilution) by RiboGreen® Measurement (Viral, Cellular and Carrier)[3]** | Report results | 19.3 ng per 100 µL (0.19 µg/mL) |
| **Estimated Amount per Vial[3]** | Report results | 19.3 ng |
| **Genome Copy Number Using BioRad QX200 Droplet Digital PCR (ddPCR™) System**<br>(Post vial; 15 replicates) | Report results | $2.5 \times 10^8$ NDU per mL[4] |
| **Virus Inactivation**<br>10% of total yield inoculated on MDCK-SIAT1 cells and evaluated for cytopathic effect and HA after serial passage[4] | No viable virus detected | No viable virus detected |

[1]Sequence information for Influenza virus A/Baltimore/JH-0586/2022 (H3N2) is not available in the NCBI database; nucleotide sequence obtained for NR-59583 lot 70063747 is identical to the source virus.
[2]Amplified using iTaq™ Universal SYBR Green One-step Kit (Bio-Rad® 172-5151) with 5 µL of NR-59583 in a 50 µL reaction
[3]Measurement is determined pre-vial prior to dilution due to the limit of detection of the quantification method
[4]NDU; NAAT-detectable units
[5]Use of the QIAamp® Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of influenza A viruses as shown by the absence of cytopathic effect (CPE) and HA after plating the entire extract on virus-susceptible cells for two passages

/Sonia Bjorum Brower/
Sonia Bjorum Brower 10 APR 2024
Technical Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

Support Provided by NIAID



**BEI Resources**
www.beiresources.org
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898