b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-49454

Influenza A Virus, A/Brisbane/59/2007 (H1N1), BPL-Inactivated

Catalog No. NR-49454

Product Description: Cell lysate and supernatant from influenza A virus, A/Brisbane/59/2007 (H1N1)-infected Madin-Darby canine kidney (MDCK) cells that has been inactivated with beta-propiolactone (BPL)

Lot: R0008 **Manufacturing Date: 22MAR2011**

TEST	SPECIFICATIONS	RESULTS
Innocuity Test (Screening for Viral Inactivation in MDCK Cells)[1-3]		
1st round of amplification	No recovered virus	No recovered virus
2nd round of amplification	No recovered virus	No recovered virus

[1]MDCK (NBL-2) cells: ATCC® CCL-34™

[2]Individual wells of 24-well plates were inoculated with 0.2 mL of reconstituted NR-49454 and incubated at 35°C with 5% CO_2 for 7 days, checking for the presence of cytopathic effects (CPE) daily. Cell lysate and supernatant from the first round of amplification was tested for HA activity and 0.2 mL was inoculated onto fresh cells and incubated at 35°C with 5% CO_2 for 7 days. These cultures were also checked for CPE daily, and cell lysate and supernatant from the second round of amplification was also tested for HA activity.

[3]BEI Resources NR-15268, Influenza A Virus, A/New York/18/2009 (H1N1)pdm09 (Tissue Culture Adapted) and NR-31657, Influenza A Virus, A/Brisbane/59/2007 (H1N1) (Tissue Culture Adapted) were used as positive controls. The live viruses were diluted either in virus growth medium or in BPL-treated mock-infected MDCK cell lysate and supernatant (BEI Resources NR-49597), and inoculated onto cells at 100 $TCID_{50}$ per well. The diluents alone were also plated as negative controls. Each sample and control was tested in three to five wells. CPE was seen in all positive control wells within 2 days of inoculation, and HA activity was detected in cell lysate and supernatant from these wells. No CPE or HA activity was observed in any wells inoculated with NR-49454 or the negative controls.

Date: 24 FEB 2016 **Signature:** Michael R. Gyrla

BEI Resources Authentication

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

ATCC® is a trademark of the American Type Culture Collection.
You are authorized to use this product for research use only. It is not intended for human use.

BEI Resources
www.beiresources.org

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