b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-44070

Babesia microti, Strain GI

Catalog No. NR-44070

Product Description: *Babesia microti* (*B. microti*), strain GI was originally isolated from blood obtained from a human case of babesiosis in Nantucket, Massachusetts, USA, in 1983.

Lot[1]: 64539534 **Manufacturing Date: 31OCT2016**

TEST	SPECIFICATIONS	RESULTS
Genotyping Sequencing of internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA gene, ITS 2 (~ 140 base pairs)	≥ 99% sequence identity to *B. microti*, strain GI (GenBank: JGUY01000109.1)	99.3% sequence identity to *B. microti*, strain GI (GenBank: JGUY01000109.1)
PCR Assay of Extracted DNA[2] ITS 1, 5.8S ribosomal RNA gene, ITS 2	~ 950 base pair amplicon	~ 930 base pair amplicon
Level of Parasitemia (pre-freeze)[3]	Report results	55%
Viability (post-freeze)[4]	Growth in inoculated hamster	Growth in inoculated hamster

[1]NR-44070 was produced by intraperitoneal injection of NRS-44070 lot 61937809 into Golden Syrian hamsters following four rounds of cortisone treatment. Infection was monitored for 11 days until parasitemia reached ≥ 55%. Infected blood was collected by orbital bleeding.
[2]Primer sequences and conditions for PCR are available upon request.
[3]Parasitemia was determined after 11 days of infection by microscopic counts of Giemsa-stained blood smears.
[4]Viability of the material following cryopreservation was determined by inoculation of an immunosuppressed hamster and examination of parasitemia every 7 days for 14 days post-infection (27.9% parasitemia).

Date: 28 MAR 2017 **Signature:**

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