

Babesia microti, Strain Naushon

Catalog No. NR-44072

Product Description: *Babesia microti* (*B. microti*), strain Naushon was originally isolated in 1986 from a tick (*Ixodes scapularis*) collected on Naushon Island, Massachusetts, USA.

Lot¹: 63264148

Manufacturing Date: 13FEB2015

TEST	SPECIFICATIONS	RESULTS
Genotyping Sequencing of internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA gene, ITS 2 (~ 680 base pairs)	Consistent with <i>B. microti</i>	Consistent with <i>B. microti</i>
PCR Assay of Extracted DNA² ITS 1, 5.8S ribosomal RNA gene, ITS 2	~ 930 base pair amplicon	~ 930 base pair amplicon
Level of Parasitemia (pre-freeze)³	Report results	4%
Viability (post-freeze)⁴	Growth in inoculated hamster	Growth in inoculated hamster

¹NR-44072 was produced by intraperitoneal injection of the deposited material into Golden Syrian hamsters. Infection was monitored for 16 days until parasitemia reached ≥ 4%. Infected blood was collected by orbital bleeding.

²Primer sequences and conditions for PCR are available upon request.

³Parasitemia was determined after 16 days of infection by microscopic counts of Giemsa-stained blood smears.

⁴Viability of the material following cryopreservation was determined by inoculation of an immunosuppressed hamster and examination of parasitemia every 2 to 7 days for 35 days post-infection (11.4% parasitemia).

Date: 09 APR 2015

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.

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.

