

**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. NR-44072 was produced by intraperitoneal injection of the BEI Resources seed lot 63264147 into one immunosuppressed Golden Syrian hamster. Infection was allowed to progress for 14 days until the first peak of parasitemia was reached. Infected blood was collected by orbital bleeding and used to inoculate each of four immunosuppressed Golden Syrian hamsters with 0.5 mL blood. Infection was allowed to progress for 8 days until the first peak of parasitemia was reached and infected blood was collected from all five hamsters by orbital bleeding to produce this lot.

**Lot: 70037091**

**Manufacturing Date: 11AUG2020**

TEST	SPECIFICATIONS	RESULTS
<b>Cell Morphology<sup>1</sup></b> 8 days of infection by examination of Giemsa-stained blood smears	Report results	Ring-like structures visible
<b>Genotypic Analysis<sup>2</sup></b> Sequencing of internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA gene, ITS 2 (~ 770 base pairs)	≥ 99% sequence identity to <i>B. microti</i> , strain Naushon (GenBank: JGUX01000111.1)	99.9% sequence identity to <i>B. microti</i> , strain Naushon (GenBank: JGUX01000111.1)
<b>Level of Parasitemia (pre-freeze)<sup>2,3</sup></b>	Report results	19%
<b>Viability<sup>1,4</sup></b>	Growth in inoculated hamster	Growth in inoculated hamster

<sup>1</sup>Testing completed on vial, post-freeze material

<sup>2</sup>Testing completed on bulk material prior to vialing and freezing

<sup>3</sup>Parasitemia was determined after 8 days of infection by microscopic counts of Giemsa-stained blood smears.

<sup>4</sup>Viability of the material following cryopreservation was determined by inoculation of an immunosuppressed Golden Syrian hamster and examination of parasitemia every 2 to 7 days for 21 days post-infection (13.6% parasitemia).

/Heather Couch/

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