

Babesia microti, Lab Strain 1

Catalog No. NR-44073

Product Description: *Babesia microti* (*B. microti*), Lab Strain 1 (also referred to as Greenwich Yale lab strain 1) was originally isolated in 2004 from blood obtained from a mouse in Greenwich, Connecticut, USA.

Lot¹: 62590180

Manufacturing Date: 26MAY2015

TEST	SPECIFICATIONS	RESULTS
Genotyping Sequencing of internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA gene, ITS 2 (730 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, ITS2	~ 930 base pair amplicon	~ 930 base pair amplicon
Level of Parasitemia (pre-freeze)³	Report results	30%
Viability (post-freeze)⁴	Growth in inoculated mouse	Growth in inoculated mouse

¹NR-44073 was produced by inoculation of the deposited material into a SCID mouse. Infection was monitored for 21 days until parasitemia reached $\geq 10\%$. Infected blood was collected by orbital bleeding and used to inoculate ten SCID mice: five SCID mice with 0.5 mL blood diluted 1:10 in Alsever's solution and five SCID mice with 0.5 mL of blood diluted 1:50 in Alsever's solution. Infection was monitored for 11 days until the first peak of parasitemia was reached, at which time infected blood was collected by orbital bleeding and pooled.

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

³Parasitemia was determined after 11 days of infection by microscopic counts of Giemsa-stained blood smears.

⁴Viability of the material following cryopreservation was determined by inoculation of a SCID mouse and examination of parasitemia every 3 to 4 days for 17 days post-infection (46% parasitemia).

Date: 27 AUG 2015

Signature: 

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