

Certificate of Analysis for NR-44071

***Babesia microti*, Strain Nan-Hs-2011 (N11-50)**

Catalog No. NR-44071

Product Description: *Babesia microti* (*B. microti*), strain Nan-Hs-2011 (N11-50) was originally isolated in 2010 from blood obtained from a human case of babesiosis in Nantucket, Massachusetts, USA. **Note:** The strain designation on the vial label for lot 62177061 is incorrect. The correct strain designation is Nan-Hs-2011 (N11-50).

Lot¹: 62177061

Manufacturing Date: 26NOV2013

| TEST | SPECIFICATIONS | RESULTS |
|---|-----------------------------------|-----------------------------------|
| Genotyping Sequencing of internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA gene, ITS 2 (~ 740 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 | 3.5% |
| Viability (post-freeze)⁴ | Growth in inoculated hamster | Growth in inoculated hamster |

¹NR-44071 was produced by intraperitoneal injection of the deposited material into Golden Syrian hamsters. Infection was monitored for 14 days until parasitemia reached ≥ 3.5%. Infected blood was collected by orbital bleeding.

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

³Parasitemia was determined after 14 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 5 days for 15 days post-infection (4.5% parasitemia).

Date: 01 APR 2015

Signature:



Title:

Technical Manager, BEI Authentication or designee

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