b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-22695

Borrelia burgdorferi, Signature-Tagged Mutagenesis Library Clone T04TC113 (Gene BB_0167)

Catalog No. NR-22695

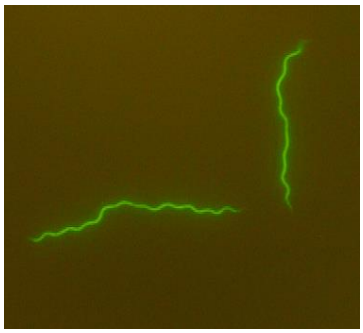
Product Description: *Borrelia burgdorferi* (*B. burgdorferi*), strain B31 5A18NP1 STM library clone T04TC113 was produced by signature-tagged mutagenesis (STM) of the BB_0167 gene.

Lot[1]: 63676625 **Manufacturing Date: 07OCT2015**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology[2] Motility (wet mount)	 Spirochete Report results	 Spirochete Motile
Purity (post-freeze)[3]	No growth observed	No growth observed
Viability (post-freeze) Visual observation LIVE/DEAD® *Bac*Light™ Bacterial Viability	 Growth Green fluorescence visible	 Growth[2] Green fluorescence visible (Figure 1)[4]

[1]NR-22695 was produced by inoculation of the deposited material into Revised Barbour-Stoenner-Kelly medium supplemented with 200 µg/mL kanamycin and 40 µg/mL gentamicin and grown 14 days at 32°C in a microaerophilic atmosphere to produce this lot.
[2]12 days at 32°C in a microaerophilic atmosphere in Revised Barbour-Stoenner-Kelly medium supplemented with 200 µg/mL kanamycin and 40 µg/mL gentamicin
[3]Purity of this lot was assessed for 12 days at 37°C in an aerobic atmosphere with 5% CO_2 on Tryptic Soy agar with 5% defibrinated sheep blood.
[4]Determined after 12-day incubation under cultivation conditions with LIVE/DEAD® *Bac*Light™ Bacterial Viability Kit, 100x magnification (Invitrogen™ L34856). Cells with a compromised membrane that are dead or dying will stain red, while cells with an intact membrane will stain green.

Figure 1: LIVE/DEAD® *Bac*Light™ Bacterial Viability



Date: 10 NOV 2015 **Signature:**

BEI Resources Authentication

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