

***Borrelia burgdorferi*, Signature-Tagged Mutagenesis Library Clone T06TC322 (Gene IR\_BB\_M26-BB\_M27)**

**Catalog No. NR-23841**

**Product Description:** *Borrelia burgdorferi* (*B. burgdorferi*), strain B31 5A18NP1 STM library clone T06TC322 was produced by signature-tagged mutagenesis (STM) of the intergenic region between the BB\_M26 and BB\_M27 genes.

**Lot<sup>1</sup>: 70021449**

**Manufacturing Date: 25JAN2019**

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

<sup>1</sup>NR-23841 was produced by inoculation of the deposited material into Revised Barbour-Stoener-Kelly broth supplemented with 200 µg/mL kanamycin and 40 µg/mL gentamicin and grown for 10 days at 32°C in a microaerophilic atmosphere to produce this lot.

<sup>2</sup>10 days at 32°C in a microaerophilic atmosphere in Revised Barbour-Stoener-Kelly broth supplemented with 200 µg/mL kanamycin and 40 µg/mL gentamicin

<sup>3</sup>Purity of this lot was assessed for 10 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood.

<sup>4</sup>Determined with LIVE/DEAD<sup>®</sup> BacLight™ Bacterial Viability Kit, 100x magnification (Invitrogen™ L34856) after a 10-day incubation at 32°C in a microaerophilic atmosphere in Revised Barbour-Stoener-Kelly broth supplemented with 200 µg/mL kanamycin and 40 µg/mL gentamicin. 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<sup>®</sup> BacLight™ Bacterial Viability**



/Heather Couch/  
Heather Couch

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