

***Borrelia burgdorferi*, Signature-Tagged Mutagenesis Library Clone T11TC396 (Gene IR_BB_R28-BB_R29)**

Catalog No. NR-26636

Product Description: *Borrelia burgdorferi* (*B. burgdorferi*), strain B31 5A18NP1 STM library clone T11TC396 was produced by signature-tagged mutagenesis (STM) of the intergenic region between the BB_R28 and BB_R29 genes.

Lot¹: 70021447

Manufacturing Date: 25JAN2019

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 [®] BacLight™ Bacterial Viability	Growth Green fluorescence visible	Growth ² Green fluorescence visible (Figure 1) ⁴

¹NR-26636 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.

²10 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

³Purity of this lot was assessed for 10 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

⁴Determined with LIVE/DEAD[®] BacLight™ Bacterial Viability Kit, 100x magnification (Invitrogen™ L7007) 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[®] BacLight™ Bacterial Viability



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Program Manager or designee, ATCC Federal Solutions

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