

***Borrelia burgdorferi*, Signature-Tagged Mutagenesis Library Clone T05TC456 (Gene BB_0434)**

Catalog No. NR-23377

Product Description: *Borrelia burgdorferi* (*B. burgdorferi*), strain B31 5A18NP1 STM library clone T05TC456 was produced by signature-tagged mutagenesis (STM) of the BB_0434 gene.

Lot¹: 70010281

Manufacturing Date: 29NOV2017

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

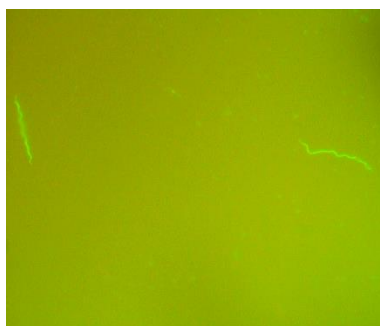
¹NR-23377 was produced by inoculation of the deposited material into Revised Barbour-Stoener-Kelly medium supplemented with 200 µg/mL kanamycin and 40 µg/mL gentamicin and grown for 12 days at 32°C in a microaerophilic atmosphere to produce this lot.

²11 days at 32°C in a microaerophilic atmosphere in Revised Barbour-Stoener-Kelly medium supplemented with 200 µg/mL kanamycin and 40 µg/mL gentamicin

³Purity of this lot was assessed for 11 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[™] L34856) after a 11-day incubation at 32°C in a microaerophilic atmosphere in Revised Barbour-Stoener-Kelly medium 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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