

Certificate of Analysis for NR-22455

Borrelia burgdorferi, Signature-Tagged Mutagenesis Library Clone T03TC181 (Gene BB_0531)

Catalog No. NR-22455

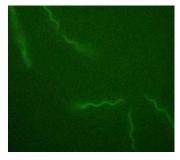
Product Description: Borrelia burgdorferi (B. burgdorferi), strain B31 5A18NP1 STM library clone T03TC181 was produced by signature-tagged mutagenesis (STM) of the BB_0531 gene.

Lot¹: 63676624 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 [®] BacLight™ Bacterial Viability	Growth Green fluorescence visible	Growth ² Green fluorescence visible (Figure 1) ⁴

NR-22455 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 for 14 days at 32°C in a microaerophilic atmosphere to produce this lot.

Figure 1: LIVE/DEAD® BacLight™ Bacterial Viability



Date: 28 JAN 2016 Signature:

BEI Resources Authentication

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.

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²14 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

³Purity of this lot was assessed for 14 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

⁴Determined after 14-day incubation under cultivation conditions with LIVE/DEAD[®] BacLight™ 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.