

***Lachnospiraceae* sp., Strain 3-1**

Catalog No. NR-36443

Product Description: *Lachnospiraceae* sp., strain 3-1 was isolated in January 2005 from the cecal content of mouse cecum in Birmingham, Alabama, USA.

Lot¹: 62071691

Manufacturing Date: 01NOV2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ² Colony morphology ³ Motility (wet mount)	Report results Report results Report results	Gram-variable rods No growth on agar Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs)	Consistent with <i>Lachnospiraceae</i> sp.	Consistent with <i>Lachnospiraceae</i> sp. ⁴
Viability (post-freeze)⁵	Growth	Growth

¹NR-36443 was produced by inoculation of the deposited material into M2GSC broth and incubated for 66 hours at 37°C and anaerobic atmosphere (80% N₂:20% CO₂). The material from the initial growth was passaged once in M2GSC broth for 96 hours at 37°C and anaerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days on M2GSC agar under propagation conditions in which no growth was observed by NR-36443 or any other organisms.

²*Lachnospiraceae* species have a Gram-positive cell wall but may stain Gram-variable or Gram-negative; see Lawson, P. A., et al. "Anaerobes: A Piece in the Puzzle for Alternative Biofuels." *Anaerobe* 17 (2011): 206-210. PubMed: 21699990.

³73 hours at 37°C and anaerobic atmosphere on M2GSC agar

⁴≥ 99% identical to GenBank: ASST01000002 (*Lachnospiraceae* sp., strain 3-1)

⁵73 hours at 37°C and anaerobic atmosphere in M2GSC broth

Date: 10 JAN 2014

Signature:



Title:

Technical Manager, BEI Authentication or designee

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