

***Lachnospiraceae* sp., Oral Taxon 082, Strain F0431**

**Catalog No. HM-558**

**Product Description:** *Lachnospiraceae* sp., Oral Taxon 082, Strain F0431 was isolated in 2009 from molar tooth dental plaque of a caries-free 4-year-old female patient in the United States.

**Lot<sup>1,2</sup>: 61881824**

**Manufacturing Date: 12AUG2013**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology <sup>3</sup> Colony morphology <sup>4</sup>  Motility (wet mount)	Report results Report results  Report results	Gram-variable rods Irregular, flat, undulate, opaque, rough and white (Figure 1) Motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 650 base pairs)	≥ 99% identical to GenBank: AGRL01000057 ( <i>Lachnospiraceae</i> sp., Oral Taxon 082, strain F0431)	≥ 99% identical to GenBank: AGRL01000057 ( <i>Lachnospiraceae</i> sp., Oral Taxon 082, strain F0431)
<b>Viability (post-freeze)<sup>4</sup></b>	Growth	Growth

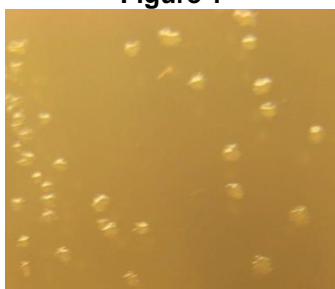
<sup>1</sup>Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

<sup>2</sup>*Lachnospiraceae* sp., Oral Taxon 082, strain F0431 was deposited by Jacques Izard, Assistant Member of the Staff, Department of Molecular Genetics, The Forsyth Institute, Boston, Massachusetts, USA. HM-558 was produced by inoculation of the deposited material into Modified Reinforced Clostridial broth and incubated for 48 hours at 37°C and anaerobic atmosphere (90% N<sub>2</sub>:5% CO<sub>2</sub>:5% H<sub>2</sub>). The material from the initial growth was passaged once in Modified Reinforced Clostridial broth for 72 hours at 37°C and anaerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

<sup>3</sup>*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.

<sup>4</sup>48 hours at 37°C and anaerobic atmosphere on Modified Reinforced Clostridial agar

**Figure 1**



**Date:** 27 NOV 2013

**Signature:**

**Title:** Technical Manager, BEI Authentication or designee

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