

Clostridiales sp., Oral Taxon 876, Strain F0540

Catalog No. HM-1139

Product Description: Clostridiales sp., Oral Taxon 876, strain F0540 was isolated on September 19, 2007, from the tooth of a medically healthy, caries-free patient in Massachusetts, USA.

Lot^{1,2}: 62455466

Manufacturing Date: 28MAR2014

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ³ Colony morphology ⁴ Motility (wet mount)	Report results Report results Report results	Gram-positive rods Circular, low convex, entire, smooth and cream (Figure 1) Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 850 base pairs)	≥ 99% identical to GenBank: AWSZ01000087 (Clostridiales sp., Oral Taxon 876, strain F0540)	≥ 99% identical to GenBank: AWSZ01000087 (Clostridiales sp., Oral Taxon 876, strain F0540)
Viability (post-freeze)⁴	Growth	Growth

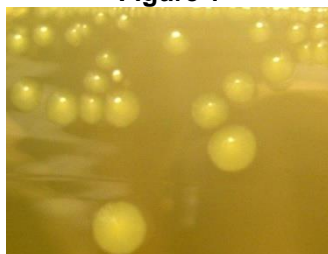
¹Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

²Clostridiales sp., Oral Taxon 876, strain F0540 was deposited by Floyd E. Dewhirst, D.D.S, Ph.D., Senior Member of the Staff, Department of Microbiology and Jacques Izard, Assistant Member of the Staff, Department of Molecular Genetics, The Forsyth Institute, Cambridge, Massachusetts, USA. HM-1139 was produced by inoculation of the deposited material into Brain Heart Infusion broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 0.5% O₂; Remel™ Anaero Pack-Anaero™ R681001). The material from the initial growth was passaged once in Brain Heart Infusion broth for 2 days at 37°C in an anaerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

³Bacteria of the order Clostridiales 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.

⁴2 days at 37°C in an anaerobic atmosphere (90% N₂:5% CO₂:5% H₂) on Brain Heart Infusion agar

Figure 1



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Program Manager or designee, ATCC Federal Solutions

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