

***Lachnoanaerobaculum* sp., Strain OBRC5-5**

Catalog No. HM-780

Product Description: *Lachnoanaerobaculum* sp., strain OBRC5-5 was isolated in April 2010 from subgingival dental plaque of a 21-year-old American female.

Lot^{1,2}: 62455470

Manufacturing Date: 26MAR2014

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ³ Colony morphology ⁴ Motility (wet mount)	Report results Report results Report results	Gram-positive rods Circular, flat, entire, smooth and translucent (Figure 1) Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 720 base pairs)	≥ 99% sequence identity to <i>Lachnoanaerobaculum</i> sp., strain OBRC5-5 (GenBank: ALOA01000008)	≥ 99% sequence identity to <i>Lachnoanaerobaculum</i> sp., strain OBRC5-5 (GenBank: ALOA01000008)
Viability (post-freeze)⁴	Growth	Growth

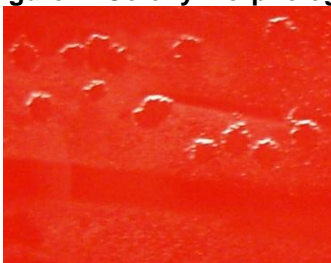
¹Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

²*Lachnoanaerobaculum* sp., strain OBRC5-5 was deposited by Maria V. Sizova, Ph.D., Department of Biology, Northeastern University, Boston, Massachusetts, USA. HM-780 was produced by inoculation of the deposited material into Modified Reinforced Clostridial broth and incubated for 3 days at 37°C in an anaerobic atmosphere (< 0.5% O₂; Remel™ Pack-Anaero™ R681001). The material from the initial growth was passaged once in Modified Reinforced Clostridial 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 genus *Lachnoanaerobaculum* have a Gram-positive cell wall but may stain Gram-variable or Gram-negative; see Hedberg, M. E., et al. "*Lachnoanaerobaculum* gen. nov., a New Genus in the *Lachnospiraceae*: Characterization of *Lachnoanaerobaculum umeaense* gen. nov., sp. nov., Isolated from the Human Small Intestine, and *Lachnoanaerobaculum orale* sp. nov., Isolated from Saliva, and Reclassification of *Eubacterium saburreum* (Prevot 1966) Holdeman and Moore 1970 as *Lachnoanaerobaculum saburreum* comb. nov." *Int. J. Syst. Evol. Microbiol.* 62 (2012): 2685-2690. PubMed: 22228654.

⁴3 days at 37°C in an anaerobic atmosphere (90% N₂:5% CO₂:5% H₂) on Tryptic Soy agar with 5% defibrinated sheep blood

Figure 1: Colony Morphology



/Heather Couch/
Heather Couch

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