

***Peptostreptococcaceae* sp., Strain ACC19a (Deposited as *Eubacteriaceae* bacterium)**

Catalog No. HM-483

Product Description: *Peptostreptococcaceae* sp., strain ACC19a was isolated from human subgingival plaque. (HM-483 was deposited as *Eubacteriaceae* bacterium, however the depositor's 16S ribosomal RNA gene sequence and the 16S ribosomal RNA gene sequence obtained from HM-483 align more favorably with *Peptostreptococcaceae* sp. The name designation on the vial, *Eubacteriaceae* bacterium, Strain ACC19a is incorrect for lot 60841438. The correct name designation is *Peptostreptococcaceae* sp., Strain ACC19a.)

Lot^{1,2}: 60841438

Manufacturing Date: 01APR2012

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ^{3,4} Colony morphology ⁵	Report results Report results	Gram-variable rods No growth on agar
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	≥ 99% sequence identity to depositor's sequence	≥ 99% sequence identity to depositor's sequence
Viability (post-freeze)⁶	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*Peptostreptococcaceae* sp., strain ACC19a was deposited by Dr. Maria V. Sizova, Ph.D., Department of Biology, Northeastern University, Boston, Massachusetts. The deposited material was inoculated into Trypticase-Yeast Extract (TY) broth and incubated for 48 hours at 37°C and anaerobic atmosphere (80% N₂:10% CO₂:10% H₂). The material from the initial growth was passaged twice in TY broth for 72 hours at 37°C and anaerobic atmosphere to produce this lot.

³Published literature for *Peptostreptococcaceae* sp., strain ACC19a shows this organism is a Gram-positive rod, Sizova, M. V., et al. "High-Quality Draft Genome Sequences of Five Anaerobic Oral Bacteria and Description of *Peptoanaerobacter stomatis* gen. nov., sp. nov., a New Member of the Family *Peptostreptococcaceae*." *Stand. Genomic Sci.* 18 (2015): e-Collection 2015. PubMed: 26221418.

⁴Cells of many Gram-stain-positive species of the *Peptostreptococcaceae* family stain Gram-negative or Gram-variable; Ezaki, T. "Family VII. *Peptostreptococcaceae* fam. nov." In *Bergey's Manual of Systematic Bacteriology*, Volume 3. 2nd Ed. New York: Springer, 2009, pp. 1008-1015.

⁵72 hours at 37°C and anaerobic atmosphere on Tryptic Soy Agar with 5% defibrinated sheep blood

⁶72 hours at 37°C and anaerobic atmosphere in TY broth

Date: 03 JUN 2016

Signature: 

BEI Resources Authentication

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