Product Information Sheet for HM-483

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

Catalog No. HM-483

For research use only. Not for human use.

Contributor:
Maria V. Sizova, Ph.D., Department of Biology, Northeastern University, Boston, Massachusetts

Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: *Clostridiales*, *Peptostreptococcaceae*
Species: *Peptostreptococcaceae* sp. (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.).
Strain: ACC19a
Original Source: *Peptostreptococcaceae* sp., strain ACC19a was isolated from human subgingival plaque.[1]
Comments: *Peptostreptococcaceae* sp., strain ACC19a (HMP ID 9629) is a reference genome for The Human Microbiome Project (HMP). HMP is an initiative to identify and characterize human microbial flora. The complete genome of *Peptostreptococcaceae* sp., strain ACC19a was sequenced at the Broad Institute (GenBank: AFZE00000000). Strain ACC19a represents a novel genus and species based on the 16S ribosomal RNA gene sequence, the proposed name is *Peptoanaerobacter stomatis*.[1]
Note: HMP material is taxonomically classified by the depositor. Quality control of these materials is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material.

Members of the *Peptostreptococcaceae* family are usually obligately anaerobic, non-sporulating, non-motile, Gram-positive cocci that are part of the normal flora of humans and animals found in the mouth, upper respiratory and gastrointestinal tracts, female genitourinary system, and skin.[2] They have been implicated in clinical infections on rare occasions.

Material Provided:
Each vial contains approximately 0.5 mL of bacterial culture in Trypticase-Yeast Extract (TY) medium supplemented with 10% glycerol.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:
HM-483 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:
Media:
Trypticase-Yeast Extract (TY) broth[1] or equivalent
Incubation:
Temperature: 37°C
Atmosphere: Anaerobic (80% N_2:10% CO_2:10% H_2)
Propagation:
1. Keep vial frozen until ready for use, then thaw.
2. Transfer the entire thawed aliquot into a single tube of broth.
3. Incubate the tube at 37°C for 72 hours.

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Peptostreptococcaceae* sp., Strain ACC19a, HM-483."

Biosafety Level: 2
Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:
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References:

1. 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.
2. Murdoch, D. A. "Gram-Positive Anaerobic Cocci." Clin. Microbiol. Rev. 11 (1998): 81-120. PubMed: 9457430.
3. Sizova, M. V., et al. "New Approaches for Isolation of Previously Uncultivated Oral Bacteria." Appl. Environ. Microbiol. 78 (2012): 194-203. PubMed: 22057871.