Peptoniphilus sp., Oral Taxon 386, Strain F0131

Catalog No. HM-6

For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: *Peptoniphilaceae*, *Peptoniphilus*[1]
Species: *Peptoniphilus* sp.
Subtaxon: Oral Taxon 386
Strain: F0131
Original Source: *Peptoniphilus* sp., Oral Taxon 386, strain F0131 was isolated in August 1978 from subgingival dental plaque of a 54-year-old black female patient with moderate periodontitis in the United States.[2]
Comments: *Peptoniphilus* sp., Oral Taxon 386, strain F0131 (HMP ID 0629) 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 *Peptoniphilus* sp., Oral Taxon 386, strain F0131 was sequenced at the Broad Institute (GenBank: ADCS00000000).
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.

Peptoniphilus species are obligately anaerobic, non-sporulating, Gram-positive cocci that are part of the commensal flora of humans and animals. They belong to the Gram-positive anaerobic cocci (GPAC) commonly associated with a variety of human infections, particularly in patients with skin or soft-tissue sores, ulcers or absesses.[3]

Material Provided:
Each vial contains approximately 0.5 mL of bacterial culture in Modified Reinforced Clostridial broth supplemented with 10% glycerol.

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

Packaging/Storage:
HM-6 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:
Modified Reinforced Clostridial broth (ATCC medium 2107) or equivalent
Tryptic Soy agar with 5% defibrinated sheep blood or equivalent
Incubation:
Temperature: 37°C
Atmosphere: Anaerobic
Propagation:
1. Keep vial frozen until ready for use, then thaw.
2. Transfer the entire thawed aliquot into a single tube of broth.
3. Use several drops of the suspension to inoculate an agar slant and/or plate.
4. Incubate the tube, slant and/or plate at 37°C for 48 to 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: *Peptoniphilus* sp., Oral Taxon 386, Strain F0131, HM-6."

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.

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References:

1. Johnson, C. N., et al. "*Peptoniphilus stercorisuis* sp. nov., Isolated from a Swine Manure Storage Tank and Description of *Peptoniphilaceae* fam. nov." Int. J. Syst. Evol. Microbiol. 64 (2014): 3538-3545. PubMed: 25056296.
2. Izard, J., Personal Communication.
3. Ezaki, T., et al. "Proposal of the Genera *Anaerococcus* gen. nov., *Peptoniphilus* gen. nov. and *Gallicola* gen. nov. for Members of the Genus *Peptostreptococcus*." Int. J. Syst. Evol. Microbiol. 51 (2001): 1521-1528.