Product Information Sheet for HM-806

Streptococcus sp., Oral Taxon 070, Strain F0441

Catalog No. HM-806

For research use only. Not for human use.

Contributors:
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Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: Streptococaceae, Streptococcus
Species: Streptococcus sp.
Subtaxon: Oral Taxon 070
Strain: F0441
Original Source: Streptococcus sp., Oral Taxon 070, strain F0441 was isolated in 2008 from dental plaque of a molar tooth from a healthy 3-year-old female.1,2
Comments: Streptococcus sp., Oral Taxon 070, strain F0441 (HMP ID 9188) 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 Streptococcus sp., Oral Taxon 070, strain F0441 has been sequenced at the Broad Institute (GenBank: AGZY00000000).

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.

Streptococcus species are non-sporulating, Gram-positive cocci often part of the normal commensal flora of the human mouth, skin, intestine and upper respiratory tract.3 A few Streptococcus species are pathogenic and responsible for many cases of meningitis, bacterial pneumonia, endocarditis and necrotizing fasciitis.4,5

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

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

Packaging/Storage:
HM-806 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. Freezethaw cycles should be avoided.

Growth Conditions:
Media:
Tryptic Soy broth or Brain Heart Infusion broth or equivalent
Tryptic Soy agar with 5% defibrinated sheep blood or Brain Heart Infusion agar or equivalent

Incubation:
Temperature: 37°C
Atmosphere: Aerobic with 5% CO2 or 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 24 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: Streptococcus sp., Oral Taxon 070, Strain F0441, HM-806.”

Biosafety Level: 2


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**References:**
1. HMP ID 9188 (*Streptococcus* sp., Oral Taxon 066, strain F0442)
2. Izard, J., Personal Communication.

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