

Product Information Sheet for HM-282

Streptococcus anginosus, Strain F0211

Catalog No. HM-282

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Streptococcaceae*, *Streptococcus*

Species: *Streptococcus anginosus*

Strain: F0211

Original Source: *Streptococcus anginosus* (*S. anginosus*),
strain F0211 was isolated from human airways.¹

Comments: *S. anginosus*, strain F0211 ([HMP ID 0813](#)) is a
reference genome for [The Human Microbiome Project](#)
(HMP). HMP is an initiative to identify and characterize
human microbial flora. The complete genome sequence of
S. anginosus, strain F0211 is available (GenBank:
[AECT00000000](#)).

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.

S. anginosus is a non-motile, non-sporulating, Gram-positive
coccus isolated from a variety of human purulent infections
found in oral cavities, upper respiratory tracts or vaginas.^{2,3}

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-282 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:

Tryptic Soy broth or equivalent

Tryptic Soy agar or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Aerobic with 5% CO₂

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 1 to 2 days.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Streptococcus anginosus*, Strain F0211, HM-282."

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. [HMP ID 0813](#) (*Streptococcus anginosus*, strain F0211)
2. Whiley, R. A. and D. Beighton. "Emended Descriptions and Recognition of *Streptococcus constellatus*, *Streptococcus intermedius*, and *Streptococcus anginosus* as Distinct Species." *Int. J. Syst. Bacteriol.* 41 (1991): 1-5. PubMed: 1995029.
3. Dewhirst, F. E., et al. "The Human Oral Microbiome." *J. Bacteriol.* 192 (2010): 5002-5017. PubMed: 20656903.
4. Olson, A. B., et al. "Phylogenetic Relationship and Virulence Inference of *Streptococcus Anginosus* Group: Curated Annotation and Whole-Genome Comparative Analysis Support Distinct Species Designation." *BMC Genomics* 14 (2013): 895. PubMed: 24341328.
5. Srinivasan, V., et al. "*vanG* Element Insertions within a Conserved Chromosomal Site Conferring Vancomycin Resistance to *Streptococcus agalactiae* and *Streptococcus anginosus*." *mBio* 5 (2014): e01386-14. PubMed: 25053786.

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