

Anaeroglobus geminatus, Strain F0357

Catalog No. HM-557

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: Veillonellaceae, *Anaeroglobus*

Species: *Anaeroglobus geminatus*

Strain: F0357

Original Source: *Anaeroglobus geminatus* (*A. geminatus*), strain F0357 was isolated in January 1982 from subgingival dental plaque of a 41-year-old male patient with moderate periodontitis in the United States.^{1,2}

Comments: *A. geminatus*, strain F0357 ([HMP ID 0080](#)) 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 *A. geminatus*, strain F0357 was sequenced at the Genome Institute at [Washington University](#) (GenBank: [AGCJ00000000](#)).

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.

A. geminatus is typically a Gram-negative, strictly anaerobic, non-motile, non-spore-forming coccus found in the human mouth and gastrointestinal tract.³

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Wilkins-Chalgren (WC) broth supplemented with 10% glycerol.

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

Packaging/Storage:

HM-557 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:

Note: *Anaeroglobus* species show poor growth in broth.³

Wilkins-Chalgren broth or Trypticase Glucose Yeast Extract medium or equivalent

Wilkins-Chalgren agar or 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 96 hours.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Anaeroglobus geminatus*, Strain F0357, HM-557."

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. J. Izard, Personal Communication.
2. [HMP ID 0080](#) (*A. geminatus*, strain F0357)
3. Carlier, J.-P., et al. "*Anaeroglobus geminatus* gen. nov., sp. nov., a Novel Member of the Family *Veillonellaceae*." Int. J. Syst. Evol. Microbiol. 52 (2002): 983-986. PubMed: 12054267.

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