

Oribacterium sinus, Strain F0268

Catalog No. HM-13

For research use only. Not for human use.

Contributor:

Jacques Izard, Assistant Member of the Staff, Department of Molecular Genetics, The Forsyth Institute, Boston, Massachusetts

Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Lachnospiraceae, Oribacterium*

Species: *Oribacterium sinus*

Strain: F0268

Original Source: *Oribacterium sinus* (*O. sinus*), strain F0268 was isolated in June 1980 from the subgingival plaque of a 27-year-old white female patient with severe periodontitis in the United States.^{1,2}

Comments: *O. sinus*, strain F0268 ([HMP ID 6123](#)) 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 *O. sinus*, strain F0268 was sequenced at the Human Genome Sequencing Center at the [Baylor College of Medicine](#) (GenBank: [ACKX00000000](#)).

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.

O. sinus, strain F0268 is a strictly anaerobic, non-spore-forming, motile, rod-shaped bacterium typically found in the human mouth and upper respiratory tract. *O. sinus* has a Gram-positive cell wall but the cells decolor easily.³

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Wilkins-Chalgren anaerobe broth supplemented with 5% DMSO.

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

Packaging/Storage:

HM-13 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:

Wilkins-Chalgren anaerobe medium (Oxoid CM0643) with

2% yeast extract ([ATCC medium 1834](#)) or equivalent Wilkins-Chalgren anaerobe agar with 5% defibrinated sheep blood or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Anaerobic (80% N₂:10% CO₂:10% H₂)

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: *Oribacterium sinus*, Strain F0268, HM-13."

Biosafety Level: 1

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. Jacques Izard, personal communication
2. [HMP ID 6123](#) (*Oribacterium sinus*, strain F0268)
3. Carlier, J.-P., et al. "*Oribacterium sinus* gen. nov., sp. nov., within the Family 'Lachnospiraceae' (Phylum Firmicutes)." *Int. J. Syst. Evol. Microbiol.* 54 (2004): 1611-1615. PubMed: 15388717.

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