

## Prevotella oralis, Strain HGA0225

### Catalog No. HM-849

**For research use only. Not for use in humans.**

#### Contributor:

Thomas M. Schmidt, Ph.D., Professor, Department of Microbiology and Molecular Genetics, Michigan State University, East Lansing, Michigan, USA

#### Manufacturer:

BEI Resources

#### Product Description:

Bacteria Classification: *Prevotellaceae*, *Prevotella*

Species: *Prevotella oralis*

Strain: HGA0225

Original Source: *Prevotella oralis* (*P. oralis*), strain HGA0225 was isolated from a biopsy of large intestine mucosa of a human subject in the United States.<sup>1,2</sup>

Comments: *P. oralis*, strain HGA0225 ([HMP ID 1475](#)) 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 *P. oralis*, strain HGA0225 was sequenced at the [Broad Institute](#) (GenBank: [ATFN00000000](#)).

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.

*P. oralis* is a Gram-negative, obligately anaerobic, non-motile, rod-shaped bacterium commonly found in the microflora of the human and animal mouth.<sup>3,4</sup> It is an opportunistic pathogen that has been associated with infections of the spine and heart, including meningitis and endocarditis.<sup>5,6,7,8</sup>

#### Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in Modified Chopped Meat broth supplemented with 5% dimethylsulfoxide (DMSO).

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

#### Packaging/Storage:

HM-849 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 Chopped Meat broth or Modified Reinforced Clostridial broth or equivalent

Tryptic Soy agar with 5% 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 1 to 3 days.

#### Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Prevotella oralis*, Strain HGA0225, HM-849."

#### 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](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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# References:

1. Schmidt, T. M., Personal Communication.
2. [HMP ID 1475](#) (*Prevotella oralis*, strain HGA0225)
3. Loesche, W. J., S. S. Socransky and R. J. Gibbons. "Bacteroides oralis, Proposed New Species Isolated from the Oral Cavity of Man." *J. Bacteriol.* 88 (1964): 1329-1337. PubMed: 14234789.
4. Shah, H. N. and D. M. Collins. "Prevotella, a New Genus to Include Bacteroides melaninogenicus and Related Species Formerly Classified in the Genus Bacteroides." *Int. J. Syst. Bacteriol.* 40 (1990): 205-208. PubMed: 2223612.
5. Cahalan, S. D., et al. "Fatal Prevotella oralis Meningitis." *J. Small Anim. Pract.* 54 (2013): 153-155. PubMed: 23190147.
6. Goyal, H., et al. "Vertebral Osteomyelitis and Epidural Abscesses Caused by Prevotella oralis: A Case Report." *Braz. J. Infect. Dis.* 16 (2012): 594-596. PubMed: 23141994.
7. Allan, R., et al. "Meningitis in a Dog Caused by Prevotella oralis." *J. Small Anim. Pract.* 45 (2004): 421-423. PubMed: 15352414.
8. Quaglio, G., et al. "Prevotella oralis Homograft-Valve Endocarditis Complicated by Aortic-Root Abscess, Intracardiac Fistula, and Complete Heart Block." *Clin. Infect. Dis.* 28 (1999): 685-686. PubMed: 10194101.

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