

Product Information Sheet for HM-1270

Prevotella bivia, Strain GED7880

Catalog No. HM-1270

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Prevotellaceae*, *Prevotella*

Species: *Prevotella bivia*

Strain: GED7880

Original Source: *Prevotella bivia* (*P. bivia*), strain GED7880 is a vaginal isolate obtained in 2014 from a woman with bacterial vaginosis in St. Louis, Missouri, USA.^{1,2}

Comments: *P. bivia*, strain GED7880 ([HMP ID 3202](#)) 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. bivia*, strain GED7880 was sequenced at the Genome Institute at [Washington University](#) (GenBank: [LTAG00000000](#)).

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. bivia is a Gram-negative, obligately anaerobic, non-motile, non-sporulating, rod-shaped bacterium typically isolated from human clinical specimens.³ Although not viewed as virulent as some oral microorganisms, *P. bivia* has been associated with an increased risk of periodontal disease and bacterial vaginosis.⁴

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in Modified Reinforced Clostridial broth supplemented with 10% glycerol.

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

Packaging/Storage:

HM-1270 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 Reinforced Clostridial broth or Modified Chopped Meat broth or equivalent

Tryptic soy agar with 5% defibrinated sheep blood or Brucella agar with hemin (5 µg/mL) and vitamin K1 (10 µg/mL) supplemented with 5% defibrinated sheep blood or Columbia agar with hemin and vitamin K1 supplemented with 5% defibrinated sheep blood¹ 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 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: *Prevotella bivia*, Strain GED7880, HM-1270."

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. Lewis, A., Personal Communication.
2. [HMP ID 3202](#) (*P. bivia*, strain GED7880)
3. Holdeman, L. V. and J. L. Johnson. "*Bacteroides disiens* sp. nov. and *Bacteroides bivius* sp. nov. from Human Clinical Infections." *Int. J. Syst. Bacteriol.* 27 (1977): 337-345.
4. Persson, R., et al. "The Vaginal Microflora in Relation to Gingivitis." *BMC Infect. Dis.* 9 (2009): 6. PubMed: 19161595.
5. 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.

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