

***Prevotella* sp., Strain BV3P1**

Catalog No. HM-827

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Prevotellaceae*, *Prevotella*

Species: *Prevotella* sp.

Strain: BV3P1

Original Source: *Prevotella* sp., strain BV3P1 was isolated from a human vaginal swab.¹

Comments: *Prevotella* sp., strain BV3P1 ([HMP ID 1254](#)) 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 *Prevotella* sp., strain BV3P1 was sequenced at the [J. Craig Venter Institute](#) (GenBank: [AWXC00000000](#)).

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.

Prevotella species are generally Gram-negative, obligately anaerobic, non-motile, non-sporulating, rod-shaped bacteria usually found in the oral, upper respiratory, and urogenital flora of mammals.^{2,3} Some *Prevotella* species may cause serious (usually polymicrobial) infections and periodontal disease.³

Material Provided:

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

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

Packaging/Storage:

HM-827 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 medium or Modified Reinforced Clostridial broth or equivalent

Tryptic Soy agar with 5% sheep blood or Modified Chopped Meat medium with 2% agar 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 24 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: *Prevotella* sp., Strain BV3P1, HM-827."

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 1254](#) (*Prevotella* sp., strain BV3P1)
2. 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.
3. Alauzet, C., H. Marchandin and A. Lozniewski. "New Insights into *Prevotella* Diversity and Medical Microbiology." Future Microbiol. 5 (2010): 1695-1718. PubMed: 21133690.

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