

Product Information Sheet for HM-826

Peptoniphilus sp., Strain BV3C26

Catalog No. HM-826

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Peptoniphilaceae*, *Peptoniphilus*¹

Species: *Peptoniphilus* sp.

Strain: BV3C26

Original Source: *Peptoniphilus* sp., strain BV3C26 was isolated from a human vaginal swab.²

Comments: *Peptoniphilus* sp., strain BV3C26 ([HMP ID 1253](#)) 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 *Peptoniphilus* sp., strain BV3C26 was sequenced at the [J. Craig Venter Institute](#) (GenBank: [AWXB00000000](#)).

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.

Peptoniphilus species are generally non-motile, non-sporulating, obligately anaerobic, Gram-positive cocci that are part of the commensal flora of humans and animals.^{3,4} They belong to the Gram-positive anaerobic cocci (GPAC) commonly associated with a variety of human infections, particularly in patients with skin or soft-tissue sores, ulcers or abscesses.^{4,5}

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-826 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 equivalent
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 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: *Peptoniphilus* sp., Strain BV3C26, HM-826."

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. Johnson, C. N., et al. "*Peptoniphilus stercorisuis* sp. nov., Isolated from a Swine Manure Storage Tank and Description of *Peptoniphilaceae* fam. nov." Int. J. Syst. Evol. Microbiol. 64 (2014): 3538-3545. PubMed: 25056296.
2. [HMP ID 1253](#) (*Peptoniphilus* sp., strain BV3C26)
3. Ezaki, T., et al. "Proposal of the Genera *Anaerococcus* gen. nov., *Peptoniphilus* gen. nov. and *Gallicola* gen. nov. for Members of the Genus *Peptostreptococcus*." Int. J. Syst. Evol. Microbiol. 51 (2001): 1521-1528. PubMed: 11491354.
4. Brown, K., et al. "Bloodstream Infections Due to *Peptoniphilus* spp.: Report of 15 Cases." Clin. Microbiol. Infect. (2014): *in press*. PubMed: 24773457.
5. Murphy, E. C. and I.-M. Frick. "Gram-positive Anaerobic Cocci--Commensals and Opportunistic Pathogens." FEMS Microbiol. Rev. 37 (2013): 520-553. PubMed: 23030831.

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