

***Prevotella corporis*, Strain MJR7716**

Catalog No. HM-1294

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Prevotellaceae*, *Prevotella*

Species: *Prevotella corporis*

Strain: MJR7716

Original Source: *Prevotella corporis* (*P. corporis*), strain MJR7716 is a vaginal isolate obtained in 2014 from a pregnant female in St. Louis, Missouri, USA.^{1,2}

Comments: *P. corporis*, strain MJR7716 ([HMP ID 3226](#)) 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. corporis*, strain MJR7716 was sequenced at the Genome Institute at [Washington University](#) (GenBank: [LRQG00000000](#)).

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. corporis is an obligate anaerobic, non-motile, non-sporulating, Gram-negative bacteria previously classified as *Bacteroides corporis*.^{3,4} *P. corporis* produces pigmented colonies on blood agar after 4 to 7 days of growth and has been isolated from the human oral cavity and female vagina with or without bacterial vaginosis.⁴⁻⁶

Material Provided:

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

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

Packaging/Storage:

HM-1294 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 Columbia agar with hemin and vitamin K1¹ or equivalent

Tryptic Soy agar with 5% defibrinated sheep blood or Modified Chopped Meat agar 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 corporis*, Strain MJR7716, HM-1294."

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 3226](#) (*Prevotella corporis*, strain MJR7716)
3. Johnson, J. L. and L. V. Holdeman. "*Bacteroides intermedius* comb. nov. and Descriptions of *Bacteroides corporis* sp. nov. and *Bacteroides levii* sp. nov." Int. J. Syst. Bacteriol. 33 (1983): 15-25.
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. Salari, M. H. and Z. Kadkhoda. "Rate of Cultivable Subgingival Periodontopathogenic Bacteria in Chronic Periodontitis." J. Oral Sci. 46 (2004): 157-161. PubMed: 15508748.
6. Hillier, S. L., et al. "The Normal Vaginal Flora, H₂O₂-Producing Lactobacilli, and Bacterial Vaginosis in Pregnant Women." Clin. Infect. Dis. 16 (1993): S273-S281. PubMed: 8324131.

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