

Product Information Sheet for HM-77

Parabacteroides sp., Strain D13

Catalog No. HM-77

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Porphyromonadaceae*,
Parabacteroides

Species: *Parabacteroides* sp.

Strain: D13 (also referred to as strain 3_1_5/D13)

Original Source: *Parabacteroides* sp., strain D13 was isolated from inflamed biopsy tissue taken from the colon of a 27-year-old female patient with active ulcerative colitis in 2007.¹

Comments: *Parabacteroides* sp., strain D13 ([HMP ID 0619](#)) 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 *Parabacteroides* sp. D13 is currently being sequenced at the [Broad Institute](#) (GenBank: [ACPW000000000](#)).

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.

Parabacteroides species are Gram-negative, obligately anaerobic, non-motile bacteria that are both normal colonic commensals and opportunistic pathogens.^{2,3}

Material Provided:

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

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

Packaging/Storage:

HM-77 was packaged aseptically, in screw-capped plastic 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 ([ATCC medium 1490](#)) or

equivalent

Tryptic Soy Agar (TSA) with 5% sheep blood or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Anaerobic (80% N₂:10% CO₂:10% H₂)

Propagation:

1. Keep vial frozen until ready for use, then thaw.
2. Transfer the entire thawed aliquot into Modified Chopped Meat Medium under anaerobic atmosphere.
3. Inoculate additional broth tubes with 0.5 mL each from the suspension. Slants may be inoculated with 0.2 mL each. Streak several agar plates to check for colony morphology and purity.
4. Incubate cultures at 37°C under anaerobic atmosphere for 24 to 48 hours.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Parabacteroides* sp., Strain D13, HM-77."

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, 2007; see www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

Disclaimers:

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References:

1. [HMP 619](#) (*Parabacteroides* sp., strain D13)
2. Sakamoto, M. and Y. Benno. "Reclassification of *Bacteroides distasonis*, *Bacteroides goldsteinii* and *Bacteroides merdae* as *Parabacteroides distasonis* gen. nov., comb. nov., *Parabacteroides goldsteinii* comb. nov. and *Parabacteroides merdae* comb. nov." Int. J. Syst. Evol. Microbiol. 56 (2006): 1599-1605. PubMed: 16825636.
3. Boente, R. F., et al. "Detection of Resistance Genes and Susceptibility Patterns in *Bacteroides* and *Parabacteroides* Strains." Anaerobe 16 (2010): 190-194. PubMed: 20159050.

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