

Product Information Sheet for HM-1240

***Bacteroidales* bacterium, Strain KA00251**

Catalog No. HM-1240

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Bacteroidia*, *Bacteroidales*, *unclassified Bacteroidales*

Order: *Bacteroidales*

Strain: KA00251

Original Source: *Bacteroidales* bacterium, strain KA00251 was isolated in 2012 from vaginal fluid collected from a woman that tested positive for bacterial vaginosis in the United States.¹

Comments: *Bacteroidales* bacterium, strain KA00251 ([HMP ID 1869](#)) 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 *Bacteroidales* bacterium, strain KA00251 was sequenced at the Genome Institute at [Washington University](#) (GenBank: [LSCS000000000](#)).

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.

Bacteroidales bacteria are mostly anaerobic, non-motile, non-sporeforming, Gram-negative, rod-shaped bacteria that are found widely distributed in the environment, in soils, aquatic environments and especially in the digestive tract of animals and humans.²⁻³

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-1240 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 medium 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 1 to 3 days.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Bacteroidales* bacterium, Strain KA00251, HM-1240."

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. Fredricks, D. N., Personal Communication.
2. Lamendella, R., et al. "Molecular Diversity of *Bacteroidales* in Fecal and Environmental Samples and Swine-Associated Subpopulations." Appl. Environ. Microbiol. 79 (2013): 816-824. PubMed: 23160126.
3. Coyne, M. J. and L. E. Comstock. "Niche-Specific Features of the Intestinal *Bacteroidales*." J. Bacteriol. 190 (2008): 736-742. PubMed: 17993536.

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