

# Product Information Sheet for HM-841

## *Microbacterium* sp., Oral Taxon 186, Strain F0373

Catalog No. HM-841

**For research use only. Not for human use.**

### Contributor:

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### Manufacturer:

BEI Resources

### Product Description:

Bacteria Classification: *Microbacteriaceae*, *Microbacterium*

Species: *Microbacterium* sp.

Subtaxon: Oral Taxon 186

Strain: F0373

Original Source: *Microbacterium* sp., Oral Taxon 186, strain F0373 is a human oral isolate from the United States.<sup>1,2</sup>

Comments: *Microbacterium* sp., Oral Taxon 186, strain F0373 (HMP ID 1529) 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 *Microbacterium* sp., Oral Taxon 186, strain F0373 was sequenced at the [Broad Institute](#) (GenBank: [ATCC000000000](#)).

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.

*Microbacterium* species are typically Gram-positive, obligately aerobic, non-spore-forming, rod-shaped bacteria that have been isolated from a variety of environmental sources, including soil, sewage, dairy products and clinical specimens.<sup>3-5</sup> Little is known about the epidemiology of *Microbacterium* species and they are rarely involved in human diseases; however, the number of relevant isolates found in nosocomial settings is increasing.<sup>6-8</sup>

### Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Nutrient broth supplemented with 10% glycerol.

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

### Packaging/Storage:

HM-841 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:

Nutrient broth or equivalent

Nutrient agar or equivalent

#### Incubation:

Temperature: 26°C

Atmosphere: Aerobic

#### 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 26°C for 24 to 96 hours.

### Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Microbacterium* sp., Oral Taxon 186, Strain F0373, HM-841."

### Biosafety Level: 1

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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

### Disclaimers:

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### References:

1. J. Izard, Personal Communication.
2. [HMP ID 1529](#) (*Microbacterium* sp., Oral Taxon 186, strain F0373)
3. Krishnamurthi, S., et al. "*Microbacterium immunditium* sp. nov., an Actinobacterium Isolated from Landfill Surface Soil, and Emended Description of the Genus *Microbacterium*." *Int. J. Syst. Evol. Microbiol.* 62 (2012): 2187-2193. PubMed: 22058326.
4. Takeuchi, M. and K. Hatano. "Proposal of Six New Species in the Genus *Microbacterium* and Transfer of *Flavobacterium marinotypicum* ZoBell and Upham to the Genus *Microbacterium* as *Microbacterium maritipicum* comb. nov." *Int. J. Syst. Bacteriol.* 48 (1998): 973-982. PubMed: 9734054.
5. Takeuchi, M. and K. Hatano. "Union of the Genera *Microbacterium* Orla-Jensen and *Aureobacterium* Collins et al. in a Redefined Genus *Microbacterium*." *Int. J. Syst. Bacteriol.* 48 (1998): 739-747. PubMed: 9734028.
6. Lau, S. K. P., et al. "Catheter-Related *Microbacterium* Bacteremia Identified by 16S rRNA Gene Sequencing." *J. Clin. Microbiol.* 40 (2002): 2681-2685. PubMed: 12089308.
7. Alonso-Echanove, J., et al. "Nosocomial Outbreak of *Microbacterium* Species Bacteremia among Cancer Patients." *J. Infect. Dis.* 184 (2001): 754-760. PubMed: 11517437.
8. Funke, G., et al. "Endophthalmitis Due to *Microbacterium* Species: Case Report and Review of *Microbacterium* Infections." *Clin. Infect. Dis.* 24 (1997): 713-716. PubMed: 9145748.

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