

Kroppenstedtia eburnea*, Strain 8437*Catalog No. HM-333****For research use only. Not for human use.****Contributor:**

Kimberlee A. Musser, Ph.D., Chief, Bacterial Diseases, Division of Infectious Diseases, Wadsworth Center, New York State Department of Health, Albany, New York, USA

Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Thermoactinomycetaceae*, *Kroppenstedtia*

Species: *Kroppenstedtia eburnea* (originally deposited as *Desmospora* sp., the designation has been revised to *Kroppenstedtia eburnea* at the request of the depositor)¹

Strain: 8437

Original Source: *Kroppenstedtia eburnea* (*K. eburnea*), strain 8437 was isolated from human blood.²

Comments: *K. eburnea*, strain 8437 (HMP ID 9374) 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 *K. eburnea*, strain 8437 has been sequenced at the Human Genome Sequencing Center at the [Baylor College of Medicine](#) (GenBank: [AFHT00000000](#)).

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.

K. eburnea are Gram-positive, aerobic, filamentous, chemoorganotrophic bacteria covered with aerial mycelium.¹ Members of the *Thermoactinomycetaceae* family are found widely in nature. They have been isolated from cereal grains, moldy hay, compost, dairy products, river water, marine sediments as well as human and animal sputum.¹

Material Provided:

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

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

Packaging/Storage:

HM-333 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:

Tryptic Soy broth or equivalent

Tryptic Soy agar with 5% sheep blood or equivalent

Incubation:

Temperature: 37°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 tubes and plate at 37°C for 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: *Kroppenstedtia eburnea*, Strain 8437, HM-333."

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/bmb15/index.htm.

Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

References:

1. von Jan, M., et al. "*Kroppenstedtia eburnea* gen. nov., sp. nov., A Novel Thermoactinomycete Isolated by Environmental Screening, and Emended Description of the Family *Thermoactinomycetaceae* Matsuo *et al.* 2006 emend. Yassin *et al.* 2009." *Int. J. Syst. Evol. Microbiol.* 61(2011): 2304-2310. PubMed: 20971832.
2. [HMP 9374](#) (*Kroppenstedtia eburnea*, strain 8437)

ATCC® is a trademark of the American Type Culture Collection.

