

***Tissierellia* bacterium, Strain KA00581**

**Catalog No. HM-1256**

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

**Contributor:**

David N. Fredricks, M.D., Principal Investigator, Vaccine and Infectious Diseases Division, Fred Hutchinson Cancer Research Center, Seattle, Washington, USA

**Manufacturer:**

BEI Resources

**Product Description:**

Bacteria Classification: *Tissierellia*; unclassified *Tissierellia*; unclassified *Tissierellia*

Class: *Tissierellia*

Strain: KA00581 (also referred to as *Clostridiales* bacterium KA00581)

Original Source: *Tissierellia* bacterium, strain KA00581 was isolated in 2011 from vaginal fluid collected from a woman that tested positive for bacterial vaginosis in the United States.<sup>1</sup>

Comments: *Tissierellia* bacterium, strain KA00581 ([HMP ID 3188](#)) 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 *Tissierellia* bacterium, strain KA00581 was sequenced at the Genome Institute at [Washington University](#) (GenBank: [LSCW00000000](#)).

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.

*Tissierellia* bacteria are mostly anaerobic, non-motile, non-spore forming, Gram-positive, rod or cocci-shaped bacteria that are found in human and animal microbiota and environment sources, with some species considered to be opportunistic pathogens.<sup>2-5</sup>

**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-1256 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 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 2 to 4 days.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Tissierellia* bacterium, Strain KA00581, HM-1256."

**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](http://www.cdc.gov/biosafety/publications/bmbl5/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](http://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. Fredricks, D. N., Personal Communication.
2. Collins, M. D. and H. N. Shah. "Reclassification of *Bacteroides praeacutus* Tissier (Holdeman and Moore) in a New Genus, *Tissierella*, as *Tissierella praeacuta* comb. nov." Int. J. Syst. Bacteriol. 36 (1986): 461–463.
3. Farrow, J. A., et al. "Phylo-Genetic Evidence that the Gram-Negative Nonsporulating Bacterium *Tissierella* (*Bacteroides*) *praeacuta* is a member of the *Clostridium* Subphylum of the Gram-Positive Bacteria and Description of *Tissierella creatinini* sp. nov." Int. J. Syst. Bacteriol. 45 (1995): 436–440.
4. Bae, J. W., et al. "*Clostridium hastiforme* is a Later Synonym of *Tissierella praeacuta*." Int. J. Syst. Evol. Microbiol. 54 (2004): 947–949. PubMed: 15143047.
5. Alauzet, C., et al. "Multilocus Analysis Reveals Diversity in the Genus *Tissierella*: Description of *Tissierella carlieri* sp. nov. in the New Class *Tissierellia* classis nov." Syst. Appl. Microbiol. 37 (2014): 23-34. PubMed: 24268443.

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

