

***Olsenella uli*, Strain MSTE5**

**Catalog No. HM-877**

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

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Bacteria Classification: *Atopobiaceae*, *Olsenella*

Species: *Olsenella uli*

Strain: MSTE5

Original Source: *Olsenella uli* (*O. uli*), strain MSTE5 is a human oral isolate.<sup>1,2</sup>

Comments: *O. uli*, strain MSTE5 ([HMP ID 1503](#)) 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 *O. uli*, strain MSTE5 was sequenced at the [J. Craig Venter Institute](#) (GenBank: [JANC00000000](#)).

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.

*O. uli* is a Gram-positive, non-motile, non-spore forming, rod-shaped anaerobe commonly found in the oral cavity of patients with periodontitis and endodontic infections.<sup>3-6</sup> Its ability to resist intracanal disinfection methods suggests it has a role in persistent endodontic infections.<sup>7</sup> While *O. uli* is primarily found in the oral cavity, it has also been isolated from vaginal microflora, as well as being a rare cause of bacteremia.<sup>8-10</sup>

**Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in Peptone Yeast Extract Glucose broth with 0.1% Tween 80 supplemented with 10% glycerol.

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

**Packaging/Storage:**

HM-877 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:

Peptone Yeast Extract Glucose broth with 0.1% Tween 80 or equivalent.

Peptone Yeast Extract Glucose agar with 0.1% Tween 80 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 3-5 days.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Olsenella uli*, Strain MSTE5, HM-877."

**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).

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**References:**

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