

***Capnocytophaga ochracea*, Strain F0287**

**Catalog No. HM-15**

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

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Bacteria Classification: *Flavobacteriaceae*, *Capnocytophaga*

Species: *Capnocytophaga ochracea*

Strain: F0287

Original Source: *Capnocytophaga ochracea* (*C. ochracea*), strain F0287 was isolated from human subgingival dental plaque in the United States.<sup>1,2</sup>

Comments: *C. ochracea*, strain F0287 ([HMP\\_ID\\_1977](#)) 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 *C. ochracea*, strain F0287 was sequenced at the Human Genome Sequencing Center at the [Baylor College of Medicine](#) (GenBank: [AEOH00000000](#)).

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.

*C. ochracea* is a Gram-negative, facultatively anaerobic, gliding, rod-shaped bacterium typically found in the human oral cavity.<sup>3,4</sup> It is often associated with juvenile and adult periodontitis and may cause severe infections in humans.<sup>5-11</sup>

*C. ochracea* is usually susceptible to a number of antibiotics, however, resistance is increasing.<sup>5</sup>

**Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Modified Chopped Meat Medium supplemented with 10% glycerol.

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

**Packaging/Storage:**

HM-15 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 Chopped Meat Medium ([ATCC medium 1490](#)) or equivalent

Tryptic Soy Agar with 5% sheep blood or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Anaerobic (80% N<sub>2</sub>:10% CO<sub>2</sub>:10% H<sub>2</sub>)

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 24 to 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: *Capnocytophaga ochracea*, Strain F0287, HM-15."

**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).

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**References:**

1. Jacques Izard, personal communication
2. [HMP ID 1977](#) (*Capnocytophaga ochracea*, strain F0287)
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8. Mycock, G. and B. S. Azadian. "Capnocytophaga ochracea: an Unusual Opportunistic Pathogen." *J. Clin. Pathol.* 38 (1985): 1081-1082. PubMed: 4044877.
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