

***Aggregatibacter aphrophilus*, Oral Taxon 545, Strain F0387**

Catalog No. HM-206

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Pasteurellaceae*, *Aggregatibacter*

Species: *Aggregatibacter aphrophilus* (formerly *Haemophilus aphrophilus*)¹

Subtaxon: Oral Taxon 545

Strain: F0387

Original Source: *Aggregatibacter aphrophilus* (*A. aphrophilus*), Oral Taxon 545, strain F0387 was isolated in 1984 from the subgingival dental plaque, at a healthy site, of a 24-year-old female patient in USA.²

Comments: *A. aphrophilus*, Oral Taxon 545, strain F0387 (HMP ID 9335) 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 *A. aphrophilus*, Oral Taxon 545, strain F0387 was sequenced at the [Broad Institute](#) (GenBank: [ACZJ000000000](#)).

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.

A. aphrophilus is a Gram-negative, facultatively anaerobic, occasionally filamentous, rod-shaped bacterium that is most often found as a nonpathogenic, commensal resident of human oropharyngeal flora.¹ *A. aphrophilus* is considered to be an organism of low virulence and is susceptible to several antibiotics; however, rare clinical infections do occur with this opportunistic pathogen.^{3,4}

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in Haemophilus Test medium supplemented with 10% glycerol.

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

Packaging/Storage:

HM-206 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:

Haemophilus Test medium or equivalent
Chocolate agar or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Aerobic with 5% CO₂

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 1 to 2 days.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Aggregatibacter aphrophilus*, Oral Taxon 545, Strain F0387, HM-206."

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 \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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References:

1. Nørskov-Lauritsen, N. and M. Kilian. "Reclassification of *Actinobacillus actinomycetemcomitans*, *Haemophilus aphrophilus*, *Haemophilus paraphrophilus* and *Haemophilus segnis* as *Aggregatibacter actinomycetemcomitans* gen. nov., comb. nov., *Aggregatibacter aphrophilus* comb. nov. and *Aggregatibacter segnis* comb. nov., and Emended Description of *Aggregatibacter aphrophilus* to Include V Factor-Dependent and V Factor-Independent Isolates." Int. J. Syst. Evol. Microbiol. 56 (2006): 2135-2146. PubMed: 16957111.
2. [HMP ID 9335](#) (*A. aphrophilus*, Oral Taxon 545, strain F0387)
3. Huang, S. T., et al. "Clinical Characteristics of Invasive *Haemophilus aphrophilus* Infections." J. Microbiol. Immunol. Infect. 38 (2005): 271-276. PubMed: 16118675.
4. Jung, G. W., M. D. Parkins, and D. Church. "Pyogenic Ventriculitis Complicating *Aggregatibacter aphrophilus* Infective Endocarditis: A Case Report and Literature Review." Can. J. Infect. Dis. Med. Microbiol. 20 (2009): e107-e109. PubMed: 20808450.

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