

***Granulicatella adiacens*, Strain CC94D**

**Catalog No. HM-1047**

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

**Contributor:**

Emma Allen-Vercoe, Assistant Professor, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada

**Manufacturer:**

BEI Resources

**Product Description:**

Bacteria Classification: *Carnobacteriaceae*, *Granulicatella*

Species: *Granulicatella adiacens*

Strain: CC94D

Original Source: *Granulicatella adiacens* (*G. adiacens*), strain CC94D was isolated in October 2010 from colonic biopsy tissue of a human subject in Victoria, British Columbia, Canada.<sup>1</sup>

Comments: *G. adiacens*, strain CC94D ([HMP ID 1176](#)) 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 *G. adiacens*, strain CC94D is currently being sequenced at the [Broad Institute](#).

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.

*G. adiacens* is a Gram-positive, facultatively anaerobic, non-motile, non-sporulating, pleomorphic coccus that is part of normal flora of the human upper respiratory, gastrointestinal, and urogenital tracts.<sup>2</sup> *G. adiacens* is a rare cause of invasive infections including endocarditis and bacteremia.<sup>3-5</sup>

**Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in Todd-Hewitt broth supplemented with 100 mg/L of L-cysteine and 10% glycerol.

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

**Packaging/Storage:**

HM-1047 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:

Todd-Hewitt broth supplemented with 100 mg/L of L-cysteine or equivalent

Todd-Hewitt agar supplemented with 100 mg/L of L-cysteine or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Aerobic with 5% CO<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 1 to 4 days.

Note: Growth on agar was not observed for this strain of *Granulicatella adiacens*. If growth on agar is needed, additional growth conditions can be found in Christensen, J. J. and R. R. Facklam. "*Granulicatella* and *Abiotrophia* Species from Human Clinical Specimens." *J. Clin. Microbiol.* 39 (2001): 3520-3523. PubMed: 11574566.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Granulicatella adiacens*, Strain CC94D, HM-1047."

**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. Allen-Vercoe, E., Personal Communication.
2. Collins, M. D. and P. A. Lawson. "The Genus *Abiotrophia* (Kawamura et al.) Is Not Monophyletic: Proposal of *Granulicatella* gen. nov., *Granulicatella adiacens* comb. nov., *Granulicatella elegans* comb. nov. and *Granulicatella balaenopterae* comb. nov." Int. J. Syst. Evol. Microbiol. 50 (2000): 365-369. PubMed: 10826824.
3. Padmaja, K., et al. "Infective Endocarditis Due to *Granulicatella adiacens*: A Case Report and Review." J. Infect. Dev. Ctries. 8 (2014): 548-550. PubMed: 24727523.
4. Cargill, J. S., et al. "*Granulicatella* Infection: Diagnosis and Management." J. Med. Microbiol. 61 (2012): 755-761. PubMed: 22442291.
5. Christensen, J. J. and R. R. Facklam. "*Granulicatella* and *Abiotrophia* Species from Human Clinical Specimens." J. Clin. Microbiol. 39 (2001): 3520-3523. PubMed: 11574566.

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

