

Product Information Sheet for HM-1051

***Peptostreptococcus* sp., Strain CC14N (Deposited as *Peptostreptococcus anaerobius*, Strain CC14N)**

Catalog No. HM-1051

For research use only. Not for use in humans.

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: *Peptostreptococcaceae*,
Peptostreptococcus

Species: *Peptostreptococcus* sp. (HM-1051 was deposited as *Peptostreptococcus anaerobius*, however the depositor's 16S ribosomal RNA gene sequence and the 16S ribosomal RNA gene sequence obtained from HM-1051 align more favorably with *Peptostreptococcus russelli*.^{1,2,3})

Strain: CC14N

Original Source: *Peptostreptococcus* sp., strain CC14N was isolated in October 2010 from colonic biopsy tissue of a human subject in Victoria, British Columbia, Canada.^{1,2}

Comments: *Peptostreptococcus* sp., strain CC14N (HMP ID 1174) 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 *Peptostreptococcus* sp., strain CC14N 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.

Peptostreptococcus species are usually obligately anaerobic, non-sporulating, non-motile, Gram-positive cocci that are part of the normal flora of humans and animals found in the mouth, upper respiratory and gastrointestinal tracts, female genitourinary system, and skin.⁴ They have been implicated in clinical infections on rare occasions.

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-1051 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 3 days.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Peptostreptococcus* sp., Strain CC14N (Deposited as *Peptostreptococcus anaerobius*, Strain CC14N), HM-1051."

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. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmb15/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.

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 the 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. [HMP ID 1174](#) (*Peptostreptococcus* sp., strain CC14N)
3. Whitehead, T. R., et al. "*Peptostreptococcus russellii* sp. nov., Isolated from a Swine-Manure Storage Pit." Int. J. Syst. Evol. Microbiol. 61 (2011): 1875-1879. PubMed: 20833884.
4. Murdoch, D. A. "Gram-Positive Anaerobic Cocci." Clin. Microbiol. Rev. 11 (1998): 81-120. PubMed: 9457430.

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

