

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

**Catalog No. HM-1051**

**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: *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*.)

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.<sup>1</sup>

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.<sup>2</sup> 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 48 to 72 hours.

**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. 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. Allen-Vercoe, E., Personal Communication.
2. Murdoch, D. A. "Gram-Positive Anaerobic Cocci." Clin. Microbiol. Rev. 11 (1998): 81-120. PubMed: 9457430.
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.

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