

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

**Catalog No. HM-1051**

**Product Description:** *Peptostreptococcus* sp., strain CC14N was isolated in October 2010 from colonic biopsy tissue of a human subject in Victoria, British Columbia, Canada. **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*.**

**Lot<sup>1,2</sup>: 63325996**

**Manufacturing Date: 25FEB2015**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>3</sup>  Motility (wet-mount)	Gram-positive cocci Report results  Report results	Gram-positive cocci Circular, low convex, entire, smooth and cream (Figure 1) Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1460 base pairs)	≥ 99% identical to depositor's sequence Consistent with <i>Peptostreptococcus</i> sp.	≥ 99% identical to depositor's sequence Consistent with <i>Peptostreptococcus</i> sp.
<b>Purity (post-freeze)</b> Anaerobic growth <sup>4</sup>  Aerobic growth <sup>5</sup>	Growth consistent with <i>Peptostreptococcus</i> sp. No growth	Growth consistent with <i>Peptostreptococcus</i> sp. No growth
<b>Viability (post-freeze)<sup>3</sup></b>	Growth	Growth

<sup>1</sup>Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

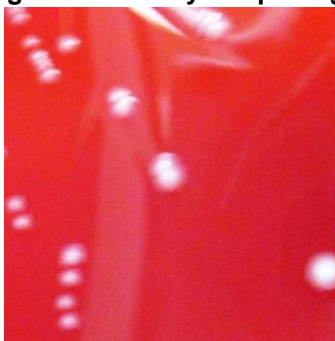
<sup>2</sup>*Peptostreptococcus* sp., strain CC14N was deposited by Professor Emma Allen-Vercoe, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. HM-1051 was produced by inoculation of the deposited material into Modified Reinforced Clostridial broth and incubated for 73 hours at 37°C in an anaerobic atmosphere (< 5% O<sub>2</sub>; Remel™ Pack-Anaero™). Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown 45 hours at 37°C in an anaerobic atmosphere to produce this lot.

<sup>3</sup>3 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>4</sup>Purity of this lot was assessed for 7 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an anaerobic atmosphere.

<sup>5</sup>Purity of this lot was assessed for 7 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>.

**Figure 1: Colony Morphology**



## Certificate of Analysis for HM-1051

**Date:** 03 JUN 2016

**Signature:**   
BEI Resources Authentication

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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