

***Clostridium cadaveris*, Strain CC40_001C**

Catalog No. HM-1039

Product Description: *Clostridium cadaveris* (*C. cadaveris*), strain CC40_001C was isolated in October 2010 from colonic biopsy tissue of a human subject in Victoria, British Columbia, Canada.

Lot^{1,2}: 63266128

Manufacturing Date: 13FEB2015

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphologies (Figure 1) ^{3,4} Motility (wet mount)	Gram-positive rods Report results Report results	Gram-positive rods Colony type 1: Irregular, raised, lobate, translucent and gray Colony type 2: Circular, raised, undulate, opaque, smooth and gray Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1440 base pairs)	≥ 99% identical to depositor's sequence Consistent with <i>C. cadaveris</i>	≥ 99% identical to depositor's sequence Consistent with <i>C. cadaveris</i>
Purity (post-freeze) Anaerobic growth ⁵ Aerobic growth ⁶	Growth consistent with <i>C. cadaveris</i> No growth	Growth consistent with <i>C. cadaveris</i> No growth
Viability (post-freeze)³	Growth	Growth

¹Quality 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.

²*C. cadaveris*, strain CC40_001C was deposited by Professor Emma Allen-Vercoe, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. The deposited material was inoculated into Modified Reinforced Clostridial broth and incubated for 41 hours at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown for 52 hours at 37°C in an anaerobic atmosphere to produce this lot.

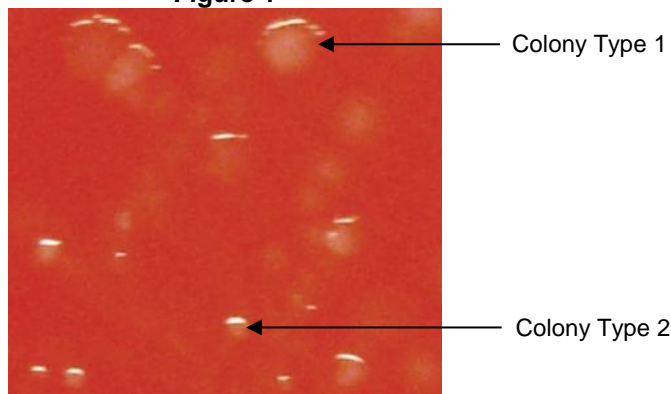
³47 hours at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

⁴Two colony types were observed. Plating of the individual colony types showed that they did not revert to the mixed colony type. The 16S ribosomal RNA gene of each colony type was sequenced and found to be consistent with the other colony type and depositor's sequence.

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

⁶Purity of this lot was assessed in an aerobic atmosphere with 5% CO₂ for 2 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1



Certificate of Analysis for HM-1039

Date: 02 JUN 2015

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.

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

You are authorized to use this product for research use only. It is not intended for human use.

