

Ruminococcus gnavus, Strain CC55_001C

Catalog No. HM-1056

Product Description: *Ruminococcus gnavus* (*R. gnavus*), strain CC55_001C was isolated in October 2010 from colonic biopsy tissue of a human subject in Victoria, British Columbia, Canada.

Lot¹⁻³: 64498986

Manufacturing Date: 29SEP2016

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ⁴ Motility (wet-mount)	Report results Report results Report results	Gram-positive coccobacilli Circular, convex, entire, smooth and white (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 720 base pairs)	≥ 99% sequence identity to <i>R. gnavus</i> , strain CC55_001C (GenBank: AZJF01000012)	100% sequence identity to <i>R. gnavus</i> , strain CC55_001C (GenBank: AZJF01000012)
Purity (post-freeze) Anaerobic growth ⁵ Aerobic growth ⁶	Consistent with expected colony morphology No growth	Consistent with expected colony morphology No growth
Viability (post-freeze)⁴	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.

²HM-1056 grows best on Tryptic Soy agar with 5% defibrinated sheep blood. Increased incubation time may be required for Rumen Fluid-Glucose-Cellobiose agar.

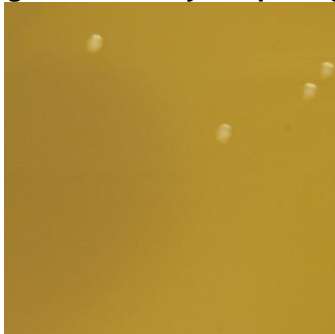
³*R. gnavus*, strain CC55_001C was deposited by Professor Emma Allen-Vercoe, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. The deposited material was inoculated into Rumen Fluid-Glucose-Cellobiose broth, which was passaged twice at 37°C in an anaerobic atmosphere (90% N₂:5% CO₂:5% H₂) and preserved in 10% glycerol. HM-1056 was produced by inoculation of preserved material into Rumen Fluid-Glucose-Cellobiose broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 0.5% O₂; Remel™ Anaero Pack-Anaero™). The material from the initial growth was passaged once in Rumen Fluid-Glucose-Cellobiose broth for 1 day at 37°C in an anaerobic atmosphere to produce this lot.

⁴2 days at 37°C in an anaerobic atmosphere on Rumen Fluid-Glucose-Cellobiose agar

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

⁶Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



Certificate of Analysis for HM-1056

Date: 06 DEC 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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