

***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. *R. gnavus*, strain CC55\_001C was deposited by Assistant Professor Emma Allen-Vercoe, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. HM-1056 was produced by inoculation of BEI Resources seed lot 63025343 into Rumen Fluid-Glucose-Cellobiose broth and grown for 2 days at 37°C in an anaerobic atmosphere. Broth inoculum was added to Rumen Fluid-Glucose-Cellobiose broth, which was grown for 1 day at 37°C in an anaerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

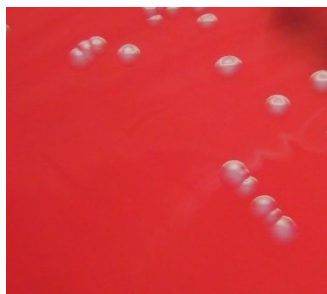
**Note:** Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

**Lot: 70037038**

**Manufacturing Date: 10JUL2020**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology 2 days at 37°C in an anaerobic atmosphere in Tryptic Soy agar with 5% defibrinated sheep blood Colony morphology 2 days at 37°C in an anaerobic atmosphere in Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Report results  Report results  Report results	Gram-positive coccobacilli  Circular, low convex, entire, smooth and gray (Figure 1)  Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA (rRNA) gene (~ 1420 base pairs)	≥ 99% identical to <i>R. gnavus</i> , strain CC55_001C (GenBank: AZJF01000012.1)	99.9% identical to <i>R. gnavus</i> , strain CC55_001C (GenBank: AZJF01000012.1)
<b>Purity (post-freeze)</b> Anaerobic 7 days at 37°C in an anaerobic atmosphere in Tryptic Soy agar with 5% defibrinated sheep blood Aerobic 7 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> in Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology  Report results	Growth consistent with expected colony morphology  No growth
<b>Viability (post-freeze)</b> 2 days at 37°C in an anaerobic atmosphere in Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

**Figure 1: Colony Morphology**



/Heather Couch/

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10 NOV 2020

Program Manager or designee, ATCC Federal Solutions

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