

**Ruminococcus lactaris, Strain CC59\_002D**
**Catalog No. HM-1057**
**Product Description:**

*Ruminococcus lactaris* (*R. lactaris*), strain CC59\_002D was isolated in October 2010 from colonic biopsy tissue of a human subject in Victoria, British Columbia, Canada. HM-1057 was produced by inoculation of BEI Resources seed lot 63087137 into Rumen Fluid-Glucose-Cellobiose broth and incubated for 4 days at 37°C in an anaerobic atmosphere (< 5% O<sub>2</sub>; Mitsubishi™ AnaeroPack-Anaero™ R681001). The material from the initial growth was passaged once in Modified Reinforced Clostridial broth for 4 days 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: 70084075**
**Manufacturing Date: 24JUL2026**

| TEST                                                                                                                                                                                                                              | SPECIFICATIONS                                                                                                                | RESULTS                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Phenotypic Analysis</b><br>Cellular morphology<br>Colony morphology <sup>1</sup><br>4 days at 37°C in an anaerobic atmosphere on<br>Tryptic Soy agar with 5% defibrinated sheep<br>blood<br>Motility (wet mount)               | Gram-positive cocci<br>Report results<br><br>Report results                                                                   | Gram-positive cocci<br>Irregular, raised, undulate, smooth<br>and gray (Figure 1)<br><br>Non-motile           |
| <b>Genotypic Analysis</b><br>Sequencing of 16S ribosomal RNA gene<br>(~ 1430 base pairs)                                                                                                                                          | ≥ 99% sequence identity to<br><i>R. lactaris</i> , strain CC59_002D<br>(GenBank: AZJE01000037.1)                              | 99.7% sequence identity to<br><i>R. lactaris</i> , strain CC59_002D<br>(GenBank: AZJE01000037.1) <sup>2</sup> |
| <b>Purity (post-freeze)</b><br>Anaerobic<br>11 days at 37°C on Tryptic Soy agar with<br>5% defibrinated sheep blood<br>Aerobic with 5% CO <sub>2</sub><br>11 days at 37°C on Tryptic Soy agar with<br>5% defibrinated sheep blood | Growth consistent with expected<br>colony morphology<br><br>Growth consistent with expected<br>colony morphology or no growth | Growth consistent with expected<br>colony morphology<br><br>No growth                                         |
| <b>Viability (post-freeze)</b><br>4 days at 37°C in an anaerobic atmosphere on<br>Tryptic Soy agar with 5% defibrinated sheep blood                                                                                               | Growth or no growth                                                                                                           | No growth                                                                                                     |

<sup>1</sup>Growth on agar is not recommended for *R. lactaris*, strain CC59\_002D and may not be reproducible

<sup>2</sup>Also consistent with other *Ruminococcus* species.

Figure 1: Colony Morphology



/Sonia Bjorum Brower/

Sonia Bjorum Brower

Technical Manager or designee, ATCC Federal Solutions

14 SEP 2026

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.

