

# Certificate of Analysis for HM-1057

## 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.

Lot<sup>1-3</sup>: 63087138

Manufacturing Date: 21NOV2014

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>5</sup>  Motility (wet-mount)	Report results Report results  Report results	Gram-variable coccobacilli <sup>4</sup> Irregular, low convex, undulate and cream Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	≥ 99% identical to GenBank: AZJE01000037 ( <i>R. lactaris</i> , strain CC59_002D)	≥ 99% identical to GenBank: AZJE01000037 ( <i>R. lactaris</i> , strain CC59_002D)
<b>Purity (post-freeze)</b> Aerobic growth <sup>6</sup>	No growth	No growth
<b>Viability (post-freeze)<sup>5</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>*R. lactaris*, strain CC59\_002D was deposited by Professor Emma Allen-Vercos, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. HM-1057 was produced by inoculation of the deposited material into Rumen Fluid-Glucose-Cellobiose medium and incubated for 24 hours at 37°C in an anaerobic atmosphere (90% N<sub>2</sub>:5% CO<sub>2</sub>:5% H<sub>2</sub>). The material from the initial growth was passaged once in Rumen Fluid-Glucose-Cellobiose medium for 72 hours at 37°C in an anaerobic atmosphere to produce this lot.

<sup>3</sup>Growth on agar is not recommended for *R. lactaris*, strain CC59\_002D and may not be reproducible.

<sup>4</sup>*R. lactaris* has a Gram-positive cell wall structure but may stain Gram-negative. For additional information, please refer to Moore, W. E. C., J. L. Johnson and L. V. Holdeman. "Emendation of *Bacteroidaceae* and *Butyrivibrio* and Descriptions of *Desulfomonas* gen. nov. and Ten New Species in the Genera *Desulfomonas*, *Butyrivibrio*, *Eubacterium*, *Clostridium*, and *Ruminococcus*." *Int. J. Syst. Bacteriol.* 26 (1976): 238-252.

<sup>5</sup>72 hours at 37°C in an anaerobic atmosphere on Rumen Fluid-Glucose-Cellobiose agar

<sup>6</sup>Purity of this lot was assessed in an aerobic atmosphere with 5% CO<sub>2</sub> for 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood.

Date: 17 APR 2015

Signature:



BEI Resources Authentication

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