

***Clostridium orbiscindens*, Strain 1\_3\_50AFAA**

**Catalog No. HM-303**

**Product Description:** *Clostridium orbiscindens* (*C. orbiscindens*; also referred to as *Flavonifractor plautii*), strain 1\_3\_50AFAA was isolated from healthy tissue taken from the descending colon of a 19-year-old female with Crohn's disease.

**Lot<sup>1,2</sup>: 0002008**

**Manufacturing Date: 30SEP2016**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>3</sup>  Motility (wet mount)	Gram-variable rod Report results  Report results	Gram-variable rod Circular, low convex, entire, smooth, translucent and gray (Figure 1) Motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 860 base pairs)	≥ 99% sequence identity to <i>C. orbiscindens</i> , strain 1_3_50AFAA (GenBank: ADLO01000142)	≥ 99% sequence identity to <i>C. orbiscindens</i> , strain 1_3_50AFAA (GenBank: ADLO01000142)
<b>Purity (post-freeze)</b> Anaerobic growth <sup>4</sup>  Aerobic growth <sup>5</sup>	Consistent with expected colony morphology No growth	Consistent with expected colony morphology No growth
<b>Viability (post-freeze)<sup>3</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>*C. orbiscindens*, strain 1\_3\_50AFAA was deposited by Emma Allen-Vercoe, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. The deposited material was inoculated into Modified Chopped Meat medium, which was passaged twice at 37°C in an anaerobic atmosphere (80% N<sub>2</sub>:10% CO<sub>2</sub>:10% H<sub>2</sub>) and preserved in 10% glycerol. HM-303 was produced by inoculation of the preserved material into Modified Chopped Meat medium and incubated for 1 day at 37°C in an anaerobic atmosphere (< 0.5% O<sub>2</sub>; Remel™ Anaero Pack-Anaero™). The growth material was passaged once in Modified Chopped Meat medium for 1 day at 37°C in an anaerobic atmosphere to produce this lot.

<sup>3</sup>1 day at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>4</sup>Purity of this lot was assessed for 7 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

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

**Figure 1: Colony Morphology**



Date: 28 OCT 2016

Signature: 

BEI Resources Authentication

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