b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-303

Flavonifractor plautii, Strain 1_3_50AFAA

Catalog No. HM-303

Product Description:

Flavonifractor plautii (F. 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. Previously referred to as *Clostridium orbiscindens,* the genus and species have been reclassified and the vial label refers to the old nomenclature. HM-303 lot 70056129 was produced by inoculation of BEI Resources seed lot 60110450 into Modified Chopped Meat medium and incubated for 3 days at 37°C in an anaerobic atmosphere (< 5% O_2; Remel™ Pack-Anaero™). The material from the initial growth was passaged once in Modified Chopped Meat medium 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: 70056129 **Manufacturing Date: 11OCT2022**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-variable rods	Gram- negative rods[1]
Colony morphology 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Report results	Circular, convex, entire, smooth and gray
Motility (wet mount)	Report results	Motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	≥ 99% sequence identity to *F. plautii*, strain 1_3_50AFAA (GenBank: ADLO01000142.1)	99.7% sequence identity to *F. plautii*, strain 1_3_50AFAA (GenBank: ADLO01000142.1)
Purity (post-freeze)		
Anaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Aerobic with 5% CO_2 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	No growth	No growth
Viability (post-freeze)	Growth	Growth

[1]*Flavonifractor plautii* is Gram-variable but may stain Gram-negative upon exposure to oxygen. For more information, please refer to Johnson M., E. Thatcher and M. Cox. Techniques for Controlling Variability in Gram Staining of Obligate Anaerobes. J. Clin. Microbiol. 33(1995) Mar:755-758. PubMed: 7538512.

/Sonia Bjorum Brower/
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Technical Manager or designee, ATCC Federal Solutions

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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