b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-20

Bacteroides fragilis, Strain 3_1_12

Catalog No. HM-20

Product Description:

Bacteroides fragilis (B. fragilis), strain 3_1_12 was isolated from the transverse colon of a healthy 52-year-old female undergoing a colon cancer screen procedure in Alberta, Canada.

Lot: 64360371[1,2] **Manufacturing Date: 30JUN2016**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-negative rods	Gram-negative rods
Colony morphology[3]	Report results	Circular, flat, entire, smooth and white (Figure 1)
Motility[4]	Non-motile	Non-motile
VITEK® MS (MALDI-TOF)	*B. fragilis*	*B. fragilis* (99.9%)
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 770 base pairs)	≥ 99% sequence identity to *B. fragilis*, strain 3_1_12 (GenBank: ABZX00000000.1)	≥ 99% sequence identity to *B. fragilis*, strain 3_1_12 (GenBank: ABZX00000000.1)
Purity (post-freeze)		
Anaerobic growth[5]	Consistent with expected colony morphology	Consistent with expected colony morphology
Aerobic growth[6]	No growth	No growth
Viability (post-freeze)[3]	Growth	Growth

[1]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.

[2]*B.* fragilis, strain 3_1_12 was deposited by Professor 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 and incubated for 2 days at 37°C in an anaerobic atmosphere (80% N_2:10% CO_2:10% H_2). The material from the initial growth was passaged once in Modified Chopped Meat Medium for 2 days at 37°C in an anaerobic atmosphere and preserved in 10% glycerol. HM-20 lot 64360371 was produced by inoculation of the preserved material into Modified Reinforced Clostridial medium and incubated for 2 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 Reinforced Clostridial medium for 1 day at 37°C in an anaerobic atmosphere and harvested in Modified Reinforced Clostridial broth supplemented with 10% glycerol to produce this lot.

[3]2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

[4]Motility test performed on BBL™ Motility Test medium with TTC Indicator for 3 days at 37°C in an anaerobic atmosphere

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

[6]Purity of this lot was assessed for 7 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere with 5% CO_2.

Figure 1: Colony Morphology

BEI Resources
www.beiresources.org
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898

Certificate of Analysis for HM-20

/Heather Couch/
Heather Couch 04 NOV 2019
Program 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.

BEI Resources
www.beiresources.org
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898