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:

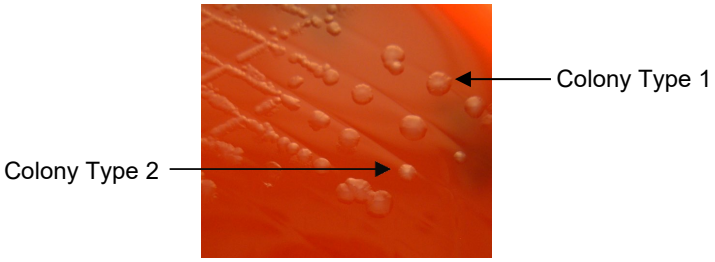
Bacteroides fragilis (B. fragilis), strain 3_1_12 was isolated from the transverse colon of a healthy 52-year-old female undergoing a colon cancer screen procedure in Alberta, Canada.

Lot: 59769195[1,2] **Manufacturing Date: 18MAR2011**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-negative rods	Gram-negative rods
Colony morphologies[3,4]	Report results	Colony type 1: Irregular, entire, flat, gray and large Colony type 2: Circular, entire, flat, gray and small (Figure 1)
Hemolysis on blood agar	Report results	β-hemolytic
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1200 base pairs)	≥ 99% identical to depositor's sequence Consistent with *B. fragilis*	Pending Consistent with *B. fragilis*
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. HM-20 was produced by inoculation of the deposited material into Modified Chopped Meat medium and incubated for 2 days at 37°C and 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 harvested in Modified Chopped Meat broth supplemented with 10% glycerol to produce this lot.
[3]2 days at 37°C in an anaerobic atmosphere (80% N_2:10% CO_2:10% H_2) on Tryptic Soy agar with 5% defibrinated sheep blood
[4]Two colony types were observed, individually isolated and characterized. Each colony type reverted back to a blend of both types. The 16S ribosomal RNA gene of each colony type was sequenced and found to be consistent with *B. fragilis*.

Figure 1: Colony Morphology



/Heather Couch/
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Program Manager or designee, ATCC Federal Solutions

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