

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

¹Quality 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% N₂:10% CO₂:10% H₂). 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% O₂; 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.

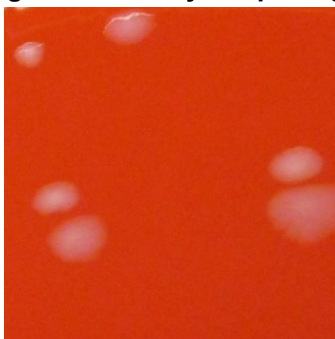
³2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

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

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

⁶Purity 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% CO₂.

Figure 1: Colony Morphology



/Heather Couch/**Heather Couch**

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Program Manager or designee, ATCC Federal Solutions

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