

***Bacteroides fragilis*, Strain CL05T00C42**

Catalog No. HM-711

Product Description:

Bacteroides fragilis (*B. fragilis*), strain CL05T00C42 was isolated from healthy adult feces in Massachusetts, USA.

Lot: 61742002^{1,2}

Manufacturing Date: 15MAY2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ VITEK® MS (MALDI-TOF)	Report results Report results <i>B. fragilis</i>	Gram-negative coccobacillus Circular, convex, entire and smooth (Figure 1) <i>B. fragilis</i> (99.9%)
Antibiotic Susceptibility Profile Sensititre™ System ^{4,5} Amoxicillin/Clavulanic Acid Ampicillin/Sulbactam Cefotetan Cefoxitin Chloramphenicol Clindamycin Imipenem Meropenem Metronidazole Mezlocillin Piperacillin Piperacillin/Tazobactam Tetracycline	Report results Report results Report results Report results Report results Report results Report results Report results Report results Report results Report results Report results Report results Report results	Sensitive (≤ 0.5 µg/mL) Sensitive (≤ 1 µg/mL) Sensitive (≤ 4 µg/mL) Sensitive (2 to 4 µg/mL) Sensitive (≤ 8 µg/mL) Sensitive (≤ 0.25 µg/mL) Sensitive (≤ 0.12 µg/mL) Sensitive (≤ 0.5 µg/mL) Sensitive (2 µg/mL) 8 µg/mL Sensitive (≤ 8 µg/mL) Sensitive (≤ 0.25 µg/mL) > 8 µg/mL ⁶
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1440 base pairs)	≥ 99% sequence identity to <i>B. fragilis</i> , strain CL05T00C42 (GenBank: AKBY01000004)	≥ 99% sequence identity to <i>B. fragilis</i> , strain CL05T00C42 (GenBank: AKBY01000004)
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 CL05T00C42 was deposited by Laurie E. Comstock, Ph.D., Associate Microbiologist, Department of Medicine, Channing Laboratory, Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts, USA. HM-711 was produced by inoculation of the deposited material into Modified Chopped Meat medium and incubated for 1 day at 37°C in an anaerobic atmosphere (90% N₂:5% CO₂:5% H₂). The material from the initial growth was passaged once in Modified Chopped Meat medium for 1 day at 37°C in an anaerobic atmosphere (90% N₂:5% CO₂:5% H₂) to produce this lot.

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

⁴Sensititre™ System Anaerobe MIC Plate, Thermo Scientific™, catalog number ANO2B

⁵Minimum Inhibitory Concentration (MIC); MIC Interpretation Guideline: CLSI M100-S28 (2018)

⁶Susceptibility results for this antibiotic cannot be determined since the maximum concentration of antibiotic tested is 8 µg/mL, which is interpreted as intermediate.

Figure 1: Colony Morphology



/Heather Couch/

Heather Couch

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