

Certificate of Analysis for HM-711

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	Report results	Gram-negative coccobacillus
Colony morphology ³	Report results	Circular, convex, entire and smooth (Figure 1)
VITEK® MS (MALDI-TOF)	B. fragilis	B. fragilis (99.9%)
Antibiotic Susceptibility Profile		
Sensititre™ System ^{4,5}		
Amoxicillin/Clavulanic Acid	Report results	Sensitive (≤ 0.5 μg/mL)
Ampicillin/Sulbactam	Report results	Sensitive (≤ 1 μg/mL)
Cefotetan	Report results	Sensitive (≤ 4 µg/mL)
Cefoxitin	Report results	Sensitive (2 to 4 µg/mL)
Chloramphenicol	Report results	Sensitive (≤ 8 μg/mL)
Clindamycin	Report results	Sensitive (≤ 0.25 µg/mL)
Imipenem	Report results	Sensitive (≤ 0.12 µg/mL)
Meropenem	Report results	Sensitive (≤ 0.5 µg/mL)
Metronidazole	Report results	Sensitive (2 µg/mL)
Mezlocillin	Report results	8 μg/mL
Piperacillin	Report results	Sensitive (≤ 8 μg/mL)
Piperacillin/Tazobactam	Report results	Sensitive (≤ 0.25 µg/mL)
Tetracycline	Report results	> 8 µg/mL ⁶
Genotypic Analysis	·	. •
Sequencing of 16S ribosomal RNA gene (~ 1440 base pairs)	≥ 99% sequence identity to *B. fragilis, strain CL05T00C42 (GenBank: AKBY01000004)	≥ 99% sequence identity to B. fragilis, 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.

BEI Resources

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²B. 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

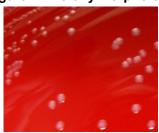
⁵Minimum Inhibitory Concentration (MIC); MIC Interpretation Guideline: CLSI M100-S28 (2018)

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



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Figure 1: Colony Morphology



/Heather Couch/ Heather Couch

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Program Manager or designee, ATCC Federal Solutions

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