

***Bacteroides fragilis*, Strain CL05T12C13**

**Catalog No. HM-712**

**Product Description:**

*Bacteroides fragilis* (*B. fragilis*), strain CL05T12C13 was isolated from healthy adult human feces in Massachusetts, USA.

**Lot: 63359838<sup>1,2</sup>**

**Manufacturing Date: 12MAR2015**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>3</sup>  Motility VITEK® MS (MALDI-TOF)	Gram-negative rods Report results  Report results <i>B. fragilis</i>	Gram-negative rods Circular, convex, entire, smooth and cream (Figure 1)  Non-motile <i>B. fragilis</i> (99.9%)
<b>Antibiotic Susceptibility Profile</b> Sensititre™ System <sup>4,5</sup> 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 (4 µg/mL) Sensitive (≤ 4 µg/mL) Sensitive (≤ 0.25 µg/mL) Sensitive (≤ 0.5 µg/mL) Sensitive (≤ 2 µg/mL) Sensitive (2 to 4 µg/mL) 8 µg/mL Sensitive (≤ 16 µg/mL) Sensitive (≤ 0.25 µg/mL) > 8 µg/mL <sup>6</sup>
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 740 base pairs)	≥ 99% sequence identity to <i>B. fragilis</i> , strain CL05T12C13 (GenBank: AGXP01000028)	≥ 99% sequence identity to <i>B. fragilis</i> , strain CL05T12C13 (GenBank: AGXP01000028)
<b>Purity (post-freeze)</b> Anaerobic growth <sup>7</sup>  Aerobic growth <sup>8</sup>	Consistent with expected colony morphology  No growth	Consistent with expected colony morphology  No growth
<b>Viability (post-freeze)<sup>3</sup></b>	Growth	Growth

<sup>1</sup>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.

<sup>2</sup>*B. fragilis*, strain CL05T12C13 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-712 was produced by inoculation of the deposited material into Modified Chopped Meat medium and incubated for 2 days at 37°C in an anaerobic atmosphere (< 5% O<sub>2</sub>; Remei™ Pack-Anaero™). The material from the initial growth was passaged once in Modified Chopped Meat medium for 1 day at 37°C in an anaerobic atmosphere to produce this lot.

<sup>3</sup>2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>4</sup>Sensititre™ System Anaerobe MIC Plate, Thermo Scientific™, catalog number ANO2B

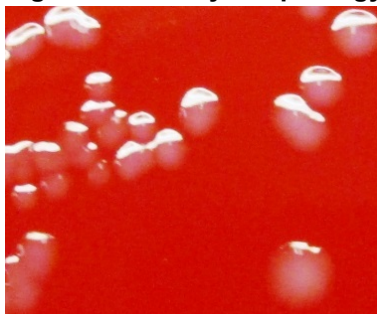
<sup>5</sup>Minimum Inhibitory Concentration (MIC); MIC Interpretation Guideline: CLSI M100-S28 (2018)

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

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

<sup>8</sup>Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



/Heather Couch/  
Heather Couch

Program Manager or designee, ATCC Federal Solutions

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