

Anaerostipes sp., Strain 3_2_56FAA

Catalog No. HM-220

Product Description:

Anaerostipes sp., strain 3_2_56FAA was isolated from inflamed biopsy tissue taken from the gastrointestinal tract of a 29-year-old female patient with Crohn's disease. HM-220 was produced by inoculation of BEI Resources seed lot 60434220 into Modified Reinforced Clostridial broth and grown for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ AnaeroPack™-Anaero). The material from the initial growth was passaged once in Modified Reinforced Clostridial broth for 2 days at 37°C in an anaerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Note: 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.

Lot: 70083745

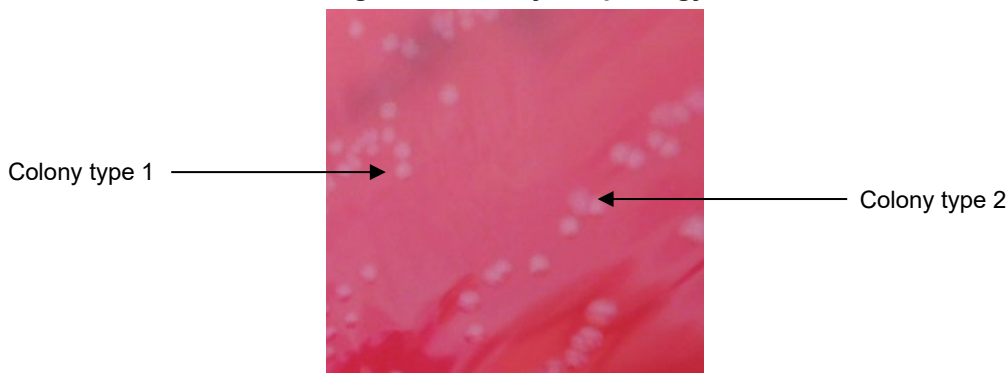
Manufacturing Date: 12JUN2026

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep Colony morphologies ² 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Report results Report results Report results	Gram-variable rods ¹ Colony type 1: Circular, low convex, entire, smooth and gray (Figure 1) Colony type 2: Irregular, low convex, undulate, smooth and gray (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	≥ 99% sequence identity to <i>Anaerostipes</i> sp., strain 3_2_56FAA (GenBank: ACWB01000002.1)	100% sequence identity to <i>Anaerostipes</i> sp., strain 3_2_56FAA (GenBank: ACWB01000002.1)
Purity (post-freeze) Anaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic with 5% CO ₂ 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology Growth consistent with expected colony morphology or no growth	Growth consistent with expected colony morphology No growth
Viability (post-freeze)	Growth	Growth

¹*Anaerostipes* cells are characterized as Gram-positive, but the published literature indicates that older cultures may display a Gram-negative phenotype [Schwartz, A., et al. "*Anaerostipes caccae* gen. nov., sp. nov., a New Saccharolytic, Acetate-Utilising, Butyrate-Producing Bacterium from Human Faeces." *Syst. Appl. Microbiol.* 25 (2002): 46-51. PubMed: 12086188].

²Two colony types were observed. The 16S ribosomal RNA gene of each colony type was sequenced and found to be consistent with the other colony type and *Anaerostipes* sp., strain 3_2_56FAA (GenBank: ACWB01000002.1).

Figure 1: Colony Morphology



/Sonia Bjorum Brower/

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Technical Manager or designee, ATCC Federal Solutions

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