

Coprobacillus sp., Strain 8_2_54BFAA

Catalog No. HM-176

Product Description: *Coprobacillus* sp., strain 8_2_54BFAA was isolated in 2007 from inflamed biopsy tissue taken from the gut of a 74-year-old male patient with Crohn's disease in Calgary, Alberta, Canada.

Lot^{1,2}: 61773964

Manufacturing Date: 05JUN2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ³ Colony morphology ⁴	Gram-positive rods Report results	Gram-positive rods Circular, low convex, entire, gray and smooth (Figure 1)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (1465 base pairs)	≥ 99% identical to GenBank: AKCB01000010 (<i>Coprobacillus</i> sp., strain 8_2_54BFAA)	≥ 99% identical to GenBank: AKCB01000010 (<i>Coprobacillus</i> sp., strain 8_2_54BFAA)
Viability (post-freeze)³	Growth	Growth

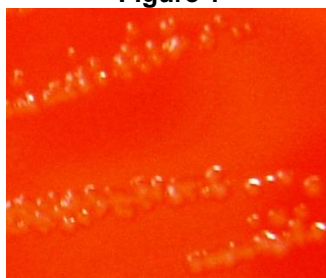
¹Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

²*Coprobacillus* sp., strain 8_2_54BFAA 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 Supplemented Tryptic Soy broth (ATCC medium 2722) and incubated for 24 hours at 37°C in an anaerobic atmosphere (90% N₂:5% CO₂:5% H₂). The material from the initial growth was passaged once in Supplemented Tryptic Soy broth for 24 hours at 37°C and anaerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

³*Coprobacillus* species are characterized as Gram-positive but older cultures and some strains have been reported to stain Gram-negative (Park, H.-Y., M. Kim, and J. Han. "Stereospecific Microbial Production of Isoflavanones from Isoflavones and Isoflavone Glucosides." *Appl. Microbiol. Biotechnol.* 91 (2011): 1173-1181. PubMed: 21562980.)

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

Figure 1



Date: 06 DEC 2013

Signature:

Title: Technical Manager, BEI Authentication or designee

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