

***Clostridium clostridioforme*, Strain 2_1_49FAA**

Catalog No. HM-306

Product Description: *Clostridium clostridioforme* (*C. clostridioforme*), strain 2_1_49FAA was isolated from inflamed biopsy tissue taken from the cecum of a 28-year-old male patient with ulcerative colitis.

Lot^{1,2}: 0002009

Manufacturing Date: 21OCT2016

| TEST | SPECIFICATIONS | RESULTS |
|---|---|---|
| Phenotypic Analysis Cellular morphology Colony morphology ⁴ Motility (wet mount) | Gram-positive rod Report results Report results | Gram-negative rod³ Circular, slight peaked, entire, smooth, opaque and gray (Figure 1) Motile |
| Genotypic Analysis Sequencing of 16S ribosomal RNA gene (1470 base pairs) | ≥ 99% sequence identity to <i>C. clostridioforme</i> , strain 2_1_49FAA (GenBank: ADLL01000101.1) | 100% sequence identity to <i>C. clostridioforme</i> , strain 2_1_49FAA (GenBank: ADLL01000101.1) |
| Purity (post-freeze) Anaerobic ⁵ Aerobic ⁶ | Consistent with expected colony morphology No growth | Consistent with expected colony morphology No growth |
| Viability (post-freeze)⁴ | 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*C. clostridioforme*, strain 2_1_49FAA was deposited by Emma Allen-Vercoe, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. Lot 0002009 of HM-306 was produced by the inoculation of BEI Resources HM-306 (Lot: 60486675) into Modified Reinforced Clostridial broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). The material from the initial growth was passaged once in Modified Reinforced Clostridial broth for 1 day at 37°C in an anaerobic atmosphere to produce this lot.

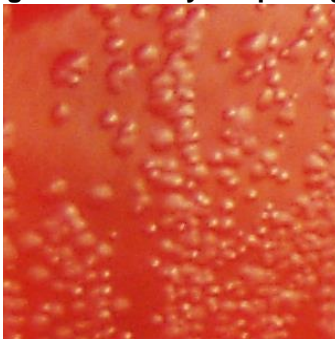
³In Clostridial cultures, a decrease in peptidoglycan thickness occurs during growth, thus aged cultures may stain Gram-negative or Gram-variable. For additional information, please refer to Beveridge, T. J. "Mechanism of Gram Variability in Select Bacteria." *J. Bacteriol.* 172 (1990): 1609-1620. PubMed: 1689718.

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

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

⁶Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



Date: 17 MAR 2017

Signature:



BEI Resources Authentication

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