

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

Catalog No. HM-306

Product Description:

Clostridium clostridioforme (*C. clostridioforme*), strain 2_1_49FAA was isolated from an inflamed cecum biopsy specimen taken from a 28-year-old male patient with ulcerative colitis. HM-306 was produced by inoculation of BEI Resources seed lot 60486671 into Modified Reinforced Clostridial medium and incubated for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). Broth inoculum was added to Modified Reinforced Clostridial medium, which was grown 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: 70055549

Manufacturing Date: 14OCT2022

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology 2 days at 37°C in an anaerobic atmosphere on Modified Reinforced Clostridial Motility (wet mount)	Gram-negative rod Report results Report results	Gram-negative rod Circular, convex, entire, smooth and white Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs)	≥ 99% sequence identity to <i>C. clostridioforme</i> , strain 2_1_49FAA (GenBank: ADLL01000101.1)	99.9% sequence identity to <i>C. clostridioforme</i> , strain 2_1_49FAA (GenBank: ADLL01000101.1)
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze) 2 days at 37°C in an anaerobic atmosphere on Modified Reinforced Clostridial medium	Growth	Growth

/Sonia Bjorum Brower/

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21 AUG 2023

Technical Manager or designee, ATCC Federal Solutions

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