

Akkermansia sp., Strain KLE1605

Catalog No. HM-844

Product Description:

Akkermansia sp. (*A. sp.*), strain KLE1605 was isolated in April 2011 from human feces in the United States. HM-844 lot 70058008 was produced by the inoculation of the BEI Resources seed lot 70012263 into Brain Heart Infusion broth with 2 µg/mL porcine gastric mucin (Type III) and incubated for 3 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). The material from the initial growth was passaged once in Brain Heart Infusion broth with 2 µg/mL porcine gastric mucin (Type III) 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: 70058008

Manufacturing Date: 05APR2023

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount)	Gram-negative rods Report results Report results	Gram-negative rods No growth ¹ Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1430 base pairs)	≥ 99% sequence identity to <i>A. sp.</i> , strain KLE1605 (GenBank: AMCH01000008.1)	100% sequence identity to <i>A. sp.</i> , strain KLE1605 (GenBank: AMCH01000008.1)
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	No growth No growth	No growth No growth
Viability (post-freeze)	Growth	Growth

¹Growth on agar is not recommended for *A. sp.*, strain KLE1605 and may not be reproducible.

/Sonia Bjorum Brower/

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22 MAY 2023

Technical Manager or designee, ATCC Federal Solutions

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