

Akkermansia sp., Strain KLE1605

Catalog No. HM-844

Product Description: *Akkermansia* sp., strain KLE1605 was isolated in April 2011 from human feces in the United States.

Lot^{1,2}: 70012262

Manufacturing Date: 13FEB2018

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount)	Gram-negative rods Report results Report results	Gram-negative rods Punctiform and translucent Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1430 base pairs)	≥ 99% sequence identity to <i>Akkermansia</i> sp., strain KLE1605 (GenBank: AMCH01000008.1)	100% sequence identity to <i>Akkermansia</i> sp., strain KLE1605 (GenBank: AMCH01000008.1)
Purity (post-freeze) Anaerobic growth ⁴ Aerobic growth ⁵	Consistent with expected colony morphology No growth	Consistent with expected colony morphology No growth
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*Akkermansia* sp., strain KLE1605 was deposited by Kathrin Witt, Department of Biology, Northeastern University, Boston, Massachusetts, USA. HM-844 was produced by the inoculation of the deposited material 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 (< 0.5% 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 1 day at 37°C in an anaerobic atmosphere to produce this lot.

³3 days at 37°C in an anaerobic atmosphere on Brain Heart Infusion agar with 2 µg/mL porcine gastric mucin (Type III)

⁴Purity of this lot was assessed for 7 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 aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

/Heather Couch/

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22 OCT 2018

Program Manager or designee, ATCC Federal Solutions

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