b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-79

Ruminococcaceae sp., Strain D16

Catalog No. HM-79

Product Description:

Ruminococcaceae sp., strain D16 was isolated in 2007 from the ascending colon of a 57-year-old male patient undergoing a colonoscopy as part of a colon cancer screen procedure in Alberta, Canada.

Lot: 70030540[1,2] **Manufacturing Date: 15NOV2019**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-negative rods	Gram-negative rods
Colony morphology[3]	Report results	Punctiform and translucent (Figure 1)
Motility	Report results	Non-motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1460 base pairs)	≥ 99% sequence identity to *Ruminococcaceae* sp., strain D16 (GenBank: ADDX02000003.1)	99.9% sequence identity to *Ruminococcaceae* sp., strain D16 (GenBank: ADDX02000003.1)[4]
Purity (post-freeze)		
Anaerobic growth[5]	Consistent with expected colony morphology	Consistent with expected colony morphology
Aerobic growth[6]	No growth	No growth
Viability (post-freeze)[3]	Growth	Growth

[1]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.

[2]*Ruminococcaceae* sp., strain D16 was deposited by Emma Allen-Vercoe, Assistant Professor, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. HM-79 lot 70030540 was produced by the inoculation of BEI Resources HMS-79 lot 61775877 into Tryptic Soy broth supplemented with hemin (5 µg/mL) and menadione (1 µg/mL) and incubated for 2 days at 37°C in an anaerobic atmosphere. The material from the initial growth was passaged once in Tryptic Soy broth supplemented with hemin (5 µg/mL) and menadione (1 µg/mL) for 2 days at 37°C in an anaerobic atmosphere to produce this lot.

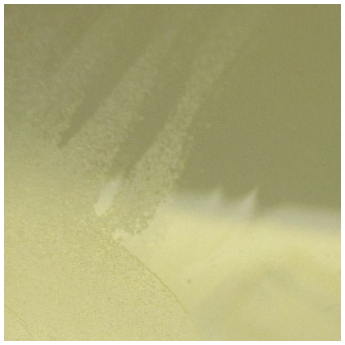
[3]3 days at 37°C in an anaerobic atmosphere on Tryptic Soy broth supplemented with hemin (5 µg/mL) and menadione (1 µg/mL)

[4]Also consistent with other Clostridiales species

[5]Purity of this lot was assessed for 7 days at 37°C in an anaerobic atmosphere on Tryptic Soy broth supplemented with hemin (5 µg/mL) and menadione (1 µg/mL).

[6]Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO_2 on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



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/Heather Couch/
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Program Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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