

Megasphaera sp., Strain BV3C16-1
Catalog No. HM-823
Product Description:

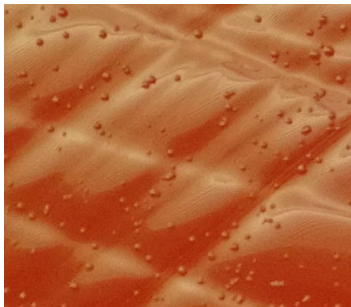
Megasphaera sp., strain BV3C16-1 was isolated from a human vaginal swab. HM-823 was produced by inoculation of BEI Resources seed lot 62453544 into Modified Chopped Meat medium and grown for 5 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 7 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: 70064781
Manufacturing Date: 20NOV2023

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 6 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Colony morphology 6 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Gram-negative coccobacilli Report results Non-motile	Gram-negative coccobacilli Circular, convex, entire, smooth and gray (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	≥ 99% sequence identity to <i>Megasphaera sp.</i> , strain BV3C16-1 (GenBank: AWWA01000023.1)	100% sequence identity to <i>Megasphaera sp.</i> , strain BV3C16-1 (GenBank: AWWA01000023.1)
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	Growth consistent with expected colony morphology Growth consistent with expected colony morphology or No growth	Growth consistent with expected colony morphology No growth
Viability (post-freeze) 6 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

Figure 1: Colony Morphology



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24 JUN 2024

Technical Manager or designee, ATCC Federal Solutions

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