

Megasphaera sp., Strain DNF00872

Catalog No. HM-1083

Product Description:

Megasphaera sp., strain DNF00872 was isolated in 2011 from vaginal fluid collected from a woman that tested positive for bacterial vaginosis in Washington, USA. HM-1083 was produced by inoculation of BEI Resources seed lot 63585535 into Modified Reinforced Clostridial broth and incubated for 7 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.

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.

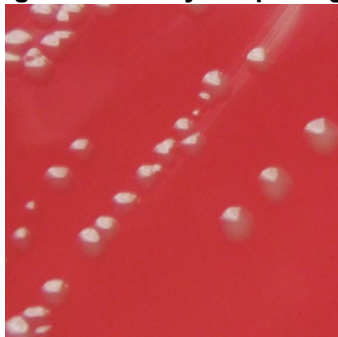
Lot: 70057702

Manufacturing Date: 03FEB2023

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology 3 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Gram-negative cocci Report results Report results	Gram-negative cocci Circular, convex, entire, smooth, opaque and cream (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1380 base pairs)	≥ 99% sequence identity to <i>Megasphaera</i> sp., strain DNF00872 (GenBank: KC297228.1)	99.6% sequence identity to <i>Megasphaera</i> sp., strain DNF00872 (GenBank: KC297228.1) 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 No growth	Growth consistent with expected colony morphology No growth
Viability (post-freeze) 3 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

¹Also consistent with other *Megasphaera* species

Figure 1: Colony Morphology



/Sonia Bjorum Brower/

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11 OCT 2023

Technical Manager or designee, ATCC Federal Solutions

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