

Megasphaera micronuciformis, Strain DNF00954

Catalog No. HM-1172

Product Description:

Megasphaera micronuciformis (*M. micronuciformis*), strain DNF00954 was isolated on November 28, 2011, from vaginal fluid collected from a woman that tested positive for bacterial vaginosis in the USA. HM-1172 lot 70057431 was produced by the inoculation of BEI Resources seed lot 62072058 into Modified Chopped Meat medium and incubated for 5 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). The material from the initial growth was used to inoculate Modified Chopped Meat medium and Tryptic Soy agar with 5% defibrinated sheep blood plate and both were grown for 5 days at 37°C in an anaerobic atmosphere. Colonies from the plate were scraped into the Modified Chopped Meat medium growth, and the growth mixture was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles and grown for 2 days at 37°C in an anaerobic atmosphere.

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: 70057431

Manufacturing Date: 02FEB2023

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology 5 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Hemolysis on blood agar Motility (wet mount)	Gram-negative cocci Report results Report results Report results	Gram-negative cocci Circular, low convex, entire, smooth, and cream Non-hemolytic Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1250 base pairs)	≥ 99% sequence identity to depositor's sequence (GenBank: KF280303)	99.5% sequence identity to depositor's sequence (GenBank: KF280303) 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) 5 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

¹Also consistent with other *Megasphaera sp.*

/Sonia Bjorum Brower/

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08 MAY 2023

Technical Manager or designee, ATCC Federal Solutions

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