

Actinomyces neuii, Strain MJR8396A

Catalog No. HM-1266

Product Description: *Actinomyces neuii* (*A. neuii*), strain MJR8396A is a vaginal isolate obtained in 2014 from a female with bacterial vaginosis in St. Louis, Missouri, USA.

Lot^{1,2}: 70006637

Manufacturing Date: 24JUL2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount) VITEK [®] MS (MALDI-TOF)	Gram-positive rod Report results Report results <i>A. neuii</i>	Gram-positive rod Circular, convex, entire, smooth and cream (Figure 1) Non-motile <i>A. neuii</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 790 base pairs)	≥ 99% sequence identity to <i>A. neuii</i> , strain MJR8396A (GenBank: LRPJ01000005.1)	100% sequence identity to <i>A. neuii</i> , strain MJR8396A (GenBank: LRPJ01000005.1)
Purity (post-freeze) Anaerobic growth ⁴ Aerobic growth ⁵	Consistent with expected colony morphology Consistent with expected colony morphology	Consistent with expected colony morphology Consistent with expected colony morphology
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*A. neuii*, strain MJR8396A was deposited by Amanda Lewis, Ph.D., Assistant Professor, Department of Molecular Microbiology, Washington University School of Medicine, St. Louis, Missouri, USA. HM-1266 was produced by inoculation of the deposited material into Modified Chopped Meat broth. Broth inoculum was added to Brucella agar with hemin (5 µg/mL) and vitamin K1 (10 µg/mL) supplemented with 5% defibrinated sheep blood and grown for 5 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel[™] Pack-Anaero[™]). The growth material was passaged once on Brucella agar with hemin (5 µg/mL) and vitamin K1 (10 µg/mL) supplemented with 5% defibrinated sheep blood for 4 days at 37°C in an aerobic atmosphere with 5% CO₂. Colonies were then suspended in Modified Reinforced Clostridial broth and used to inoculate Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 5 days at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot

³2 days at 37°C in an aerobic atmosphere with 5% CO₂ on Brucella agar with hemin (5 µg/mL) and vitamin K1 (10 µg/mL) supplemented with 5% defibrinated sheep blood

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.

Figure 1: Colony Morphology



Certificate of Analysis for HM-1266

Date: 02 NOV 2017

Signature:



BEI Resources Authentication

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