

Actinomyces sp., Strain S4-C9

Catalog No. HM-1091

Product Description: *Actinomyces* sp., strain S4-C9 is a vaginal isolate obtained in 2012 from a woman with bacterial vaginosis in Washington, USA.

Lot^{1,2}: 70012271

Manufacturing Date: 08MAY2018

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount)	Gram-positive rods Report results Report results	Gram-positive rods Circular, low convex, entire, smooth and cream (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1320 base pairs)	≥ 99% sequence identity to <i>Actinomyces</i> sp., strain S4-C9 (GenBank: JRMU01000025.1)	100% sequence identity to <i>Actinomyces</i> sp., strain S4-C9 (GenBank: JRMU01000025.1)
Purity (post-freeze) Anaerobic growth ⁴ Aerobic growth ⁵	Consistent with expected colony morphology Report results	Consistent with expected colony morphology Consistent with expected colony morphology
Viability (post-freeze)⁴	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.

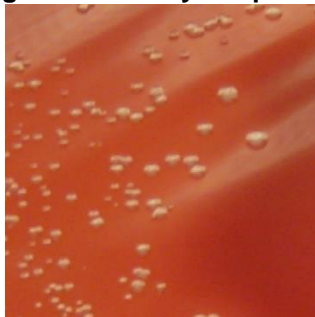
²*Actinomyces* sp., strain S4-C9 was deposited by Maria V. Sizova, Department of Biology, Northeastern University, Boston, Massachusetts, USA. HM-1091 was produced by inoculation of the deposited material into *Actinomyces* broth and incubated for 4 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). Broth inoculum was passaged once in *Actinomyces* broth for 4 days at 37°C in an anaerobic atmosphere to produce this lot.

³5 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar 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



/Heather Couch/
 Heather Couch

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Program Manager or designee, ATCC Federal Solutions

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