b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-1182

Clostridiales sp., Strain S9 PR-1

Catalog No. HM-1182

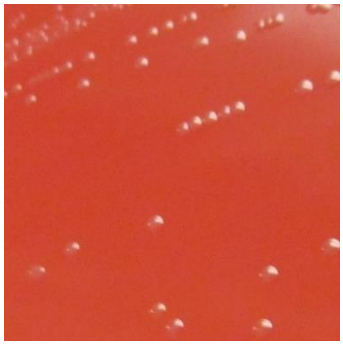
Product Description: Clostridiales sp., strain S9 PR-1 was isolated in 2013 from a vaginal swab of a woman that tested positive for bacterial vaginosis in Washington, USA.

Lot[1,2]: 70002695 **Manufacturing Date: 20MAR2017**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology[3]	Report results	Gram-variable rods
Colony morphology[4]	Report results	Circular, convex, entire, smooth and gray (Figure 1)
Motility (wet mount)	Report results	Motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 750 base pairs)	≥ 99% sequence identity to Clostridiales bacterium, strain S9 PR-1 (GenBank: KF007174)	99.9% sequence identity to Clostridiales bacterium, strain S9 PR-1 (GenBank: KF007174)[5]
Purity (post-freeze)		
Anaerobic growth[6]	Consistent with expected colony morphology	Consistent with expected colony morphology
Aerobic growth[7]	No growth	No growth
Viability (post-freeze)[4]	Growth	Growth

[1]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.
[2]Clostridiales sp., strain S9 PR-1 was deposited by Maria V. Sizova, Ph.D., Department of Biology, Northeastern University, Boston, Massachusetts, USA. HM-1182 was produced by inoculation of the deposited material into Modified Reinforced Clostridial broth and incubated for 6 days at 37°C in an anaerobic atmosphere (< 0.5% O_2; Remel™ Pack-Anaero™ R681001). Broth inoculum was held for 15 days at 4°C in an anaerobic atmosphere and then added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown for 3 days at 37°C in an anaerobic atmosphere to produce this lot.
[3]Bacteria of the order Clostridiales have a Gram-positive cell wall but may stain Gram-variable or Gram-negative; see Lawson, P. A., et al. "Anaerobes: A Piece in the Puzzle for Alternative Biofuels." Anaerobe 17 (2011): 206-210. PubMed: 21699990.
[4]3 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood
[5]99.8% sequence identity to *Bacteroides coagulans* type strain (GenBank: NR 113066).
[6]Purity of this lot was assessed for 7 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.
[7]Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO_2 on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



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Certificate of Analysis for HM-1182

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08 JUN 2018

Program Manager or designee, ATCC Federal Solutions

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