

**Actinomyces urogenitalis, Strain S6-C4**

**Catalog No. HM-1089**

**Product Description:** *Actinomyces urogenitalis* (*A. urogenitalis*), strain S6-C4 is a vaginal isolate obtained in 2012 from a woman with bacterial vaginosis in Seattle, Washington, USA.

**Lot<sup>1,2</sup>: 70012267**

**Manufacturing Date: 12FEB2018**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>4</sup>  Motility (wet mount)	Gram-positive rods Report results  Report results	Gram-positive rods <sup>3</sup> Circular, convex, entire, smooth and cream (Figure 1) Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 730 base pairs)	≥ 99% sequence identity to <i>A. urogenitalis</i> , strain S6-C4 (GenBank: JRMT01000035.1)	100% sequence identity to <i>A. urogenitalis</i> , strain S6-C4 (GenBank: JRMT01000035.1)
<b>Purity (post-freeze)</b> Anaerobic growth <sup>5</sup>  Aerobic growth <sup>6</sup>	Growth consistent with expected colony morphology Consistent with expected colony morphology	Consistent with expected colony morphology Consistent with expected colony morphology
<b>Viability (post-freeze)<sup>4</sup></b>	Growth	Growth

<sup>1</sup>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.

<sup>2</sup>*A. urogenitalis*, strain S6-C4 was deposited by Maria V. Sizova, Department of Biology, Northeastern University, Boston, Massachusetts, USA. HM-1089 was produced by inoculation of the deposited material into *Actinomyces* broth and incubated for 4 days at 37°C in an anaerobic atmosphere (< 5% O<sub>2</sub>; Remel™ Pack-Anaero™). Broth inoculum was passaged in *Actinomyces* broth for 3 days at 37°C in an anaerobic atmosphere to produce this lot.

<sup>3</sup>*A. urogenitalis* is reported to be Gram-positive (Nikolaichouk, N., et al. "Characterization of *Actinomyces* Isolates from Samples from the Human Urogenital Tract: Description of *Actinomyces urogenitalis* sp. nov." *Int. J. Syst. Evol. Microbiol.* 50 (2000): 1649-1654. PubMed: 10939672), however, Gram-variable staining can be observed if grown for 3 days or more.

<sup>4</sup>2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>5</sup>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.

<sup>6</sup>Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood.

**Figure 1: Colony Morphology**



25 MAY 2018

Program Manager or designee, ATCC Federal Solutions

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