

## **Certificate of Analysis for HM-1242**

## Gemella asaccharolytica, Strain KA00071

## Catalog No. HM-1242

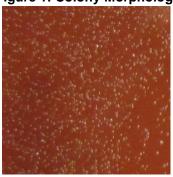
**Product Description:** Gemella asaccharolytica (G. asaccharolytica), strain KA00071 is a vaginal isolate obtained in November 2012 from a woman with bacterial vaginosis.

Lot<sup>1-3</sup>: 70011123 Manufacturing Date: 02JAN2018

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Report results	Gram-variable cocci
Colony morphology <sup>4</sup>	Report results	Punctiform and translucent (Figure 1)
Motility (wet-mount)	Report results	Non-motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 760 base pairs)	≥ 99% sequence identity to <i>G. asaccharolytica</i> , strain KA00071 (GenBank: LSDB01000018.1)	100% sequence identity to G. asaccharolytica, strain KA00071 (GenBank: LSDB01000018.1)
Purity (post-freeze)		
Anaerobic growth <sup>5</sup>	Consistent with expected colony morphology	Consistent with expected colony morphology
Aerobic growth <sup>6</sup>	No growth	No growth
Viability (post-freeze) <sup>4</sup>	Growth	Growth

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.

Figure 1: Colony Morphology



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<sup>&</sup>lt;sup>2</sup>G. asaccharolytica, strain KA00071 was deposited by David N. Fredricks, M.D., Principal Investigator, Vaccine and Infectious Diseases Division, Fred Hutchinson Cancer Research Center, Seattle, Washington, USA. HM-1242 lot 70011123 was produced by inoculation of the deposited material in Brain Heart Infusion broth which was cultivated on Brucella agar with hemin (5 μg/mL) and vitamin K1 (10 μg/mL) supplemented with 5% defibrinated sheep blood for 3 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™ R681001). The material from the initial growth was passaged three times on Brucella agar with hemin (5 μg/mL) and vitamin K1 (10 μg/mL) supplemented with 5% defibrinated sheep blood at 37°C in an anaerobic atmosphere to produce this lot.

<sup>&</sup>lt;sup>3</sup>Growth in broth is not recommended for *G. asaccharolytica*, strain KA00071 and may not be reproducible.

<sup>&</sup>lt;sup>4</sup>4 days at 37°C in an anaerobic atmosphere on Brucella agar with hemin (5 μg/mL) and vitamin K1 (10 μg/mL) supplemented with 5% defibrinated sheep blood

<sup>&</sup>lt;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>&</sup>lt;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.



## **Certificate of Analysis for HM-1242**

07 MAY 2018

Program Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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