b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-1256

Tissierellia bacterium, Strain KA00581

Catalog No. HM-1256

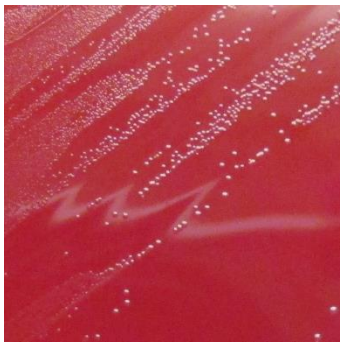
Product Description: *Tissierellia* bacterium, strain KA00581 (also referred to as *Clostridiales* bacterium KA00581) was isolated in 2011 from vaginal fluid collected from a woman that tested positive for bacterial vaginosis in the United States.

Lot[1,2]: 64362279 **Manufacturing Date: 25JUL2016**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Report results	Gram-positive rods
Colony morphology[3]	Report results	Circular, convex, entire, smooth and gray (Figure 1)
Motility (wet-mount)	Report results	Non-motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 750 base pairs)	≥ 99% sequence identity to *Tissierellia* bacterium, strain KA00581 (GenBank: LSCW01000063)	≥ 99% sequence identity to *Tissierellia* bacterium, strain KA00581 (GenBank: LSCW01000063)
Purity (post-freeze)		
Anaerobic growth[4]	Consistent with expected colony morphology	Consistent with expected colony morphology
Aerobic growth[5]	No growth	No growth
Viability (post-freeze)[3]	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]*Tissierellia* bacterium, strain KA00581 was deposited by David N. Fredricks, M.D., Principal Investigator, Vaccine and Infectious Diseases Division, Fred Hutchinson Cancer Research Center, Seattle, Washington, USA. HM-1256 was produced by inoculation of the deposited material into Modified Reinforced Clostridial broth. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood. The inoculated agar and broth were each grown for 4 days at 37°C in an anaerobic atmosphere (< 5% O_2; Remel™ Pack-Anaero™). Colonies from the Tryptic Soy agar culture were suspended into the Modified Reinforced Clostridial broth growth, and this biphasic culture was 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]4 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood
[4]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.
[5]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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Date: 10 NOV 2016 **Signature:**

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