

**Actinomyces viscosus, Strain C505**

**Catalog No. HM-238**

**Product Description:** *Actinomyces viscosus* (*A. viscosus*), strain C505 was isolated from expectorated sputum from a 33-year-old female patient with cystic fibrosis in October 2007.

**Lot<sup>1,2</sup>: 60374727**

**Manufacturing Date: 11NOV2011**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>3</sup>	Report results Report results	Gram-positive rod Circular, entire, convex, glistening and gray (Figure 1)
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1360 base pairs)	≥ 99% identical to GenBank: ACRE01000096 ( <i>A. viscosus</i> , strain C505)	≥ 99% identical to GenBank: ACRE01000096 ( <i>A. viscosus</i> , strain C505)
<b>Viability (post-freeze)<sup>3</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. viscosus*, strain C505 was deposited by Professor Michael G. Surette, Department of Microbiology and Infectious Diseases, University of Calgary, Alberta, Canada. The deposited material was inoculated into Actinomyces Broth (ATCC medium 7) and incubated for 48 hours at 37°C and anaerobic atmosphere (80% N<sub>2</sub>:10% CO<sub>2</sub>:10% H<sub>2</sub>). The material from the initial growth was passaged once in Actinomyces Broth for 48 hours at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> to produce this lot. Note: During the growth protocol for this organism it was noted that HM-238 displayed better growth under aerobic atmosphere with 5% CO<sub>2</sub> and these conditions were used to produce this lot.

<sup>3</sup>48 hours at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy Agar with 5% defibrinated sheep blood

Figure 1



**Date:** 13 FEB 2012

**Signature:** 

**Title:** Technical Manager, BEI Authentication or designee

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