

**Actinomyces johnsonii, Strain F0510**

**Catalog No. HM-1070**

**Product Description:** *Actinomyces johnsonii* (*A. johnsonii*), strain F0510 was isolated in September 2008 from the supragingival plaque biofilm of a molar of a medically healthy 3-year-old female with no dental caries in Boston, Massachusetts, USA.

**Lot<sup>1,2</sup>: 63140944**

**Manufacturing Date: 13FEB2015**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>3</sup>  Motility (wet mount)	Gram-positive, pleomorphic rods Report results  Report results	Gram-positive, pleomorphic rods Circular, umbonate, entire, smooth and white (Figure 1) Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1420 base pairs)	≥ 99% identical to GenBank AWSD01000021 ( <i>A. johnsonii</i> , strain F0510)	≥ 99% identical to GenBank AWSD01000021 ( <i>A. johnsonii</i> , strain F0510)
<b>Purity (post-freeze)</b> Anaerobic growth <sup>4</sup> Aerobic growth <sup>5</sup>	Growth consistent with <i>A. johnsonii</i> Report results	Growth consistent with <i>A. johnsonii</i> Growth consistent with <i>A. johnsonii</i>
<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.

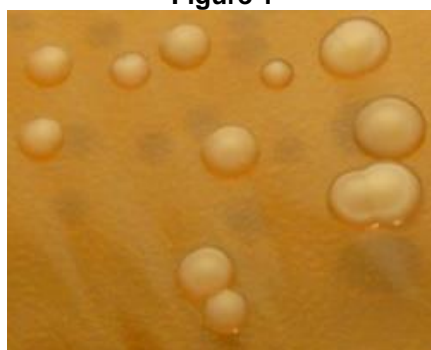
<sup>2</sup>*A. johnsonii*, strain F0510 was deposited by Floyd E. Dewhirst, D.D.S., Ph.D., Senior Member of the Staff, Department of Microbiology and Jacques IZard, Assistant Member of the Staff, Department of Molecular Genetics, The Forsyth Institute, Cambridge, Massachusetts, USA. HM-1073 was produced by inoculation of the deposited material into Actinomyces broth and incubated for 7 days at 37°C in an anaerobic atmosphere (< 5% O<sub>2</sub>; Remel™ Pack-Anaero™). Broth inoculum was added to Actinomyces agar kolles which were grown for 4 days at 37°C in an anaerobic atmosphere to produce this lot.

<sup>3</sup>8 days at 37°C in an anaerobic atmosphere on Actinomyces agar

<sup>4</sup>Purity of this lot was assessed in an anaerobic atmosphere for 8 days at 37°C on Actinomyces agar.

<sup>5</sup>Purity of this lot was assessed in an aerobic atmosphere with 5%CO<sub>2</sub> for 8 days at 37°C on Actinomyces agar.

**Figure 1**



## Certificate of Analysis for HM-1070

**Date:** 17 APR 2015

**Signature:** 

BEI Resources Authentication

ATCC<sup>®</sup>, 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<sup>®</sup>'s knowledge.

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