

# Certificate of Analysis for HM-765

***Peptostreptococcaceae* sp., Strain OBRC8 (Deposited as *Eubacteriaceae* bacterium, Strain OBRC8)**

**Catalog No. HM-765**

**Product Description:** *Peptostreptococcaceae* sp., strain OBRC8 was isolated from human subgingival plaque. **HM-765 was deposited as *Eubacteriaceae* bacterium; however the depositor's 16S ribosomal RNA gene sequence and the 16S ribosomal RNA gene sequence obtained from HM-765 align more favorably with *Peptostreptococcaceae* sp.**

**Lot<sup>1,2</sup>: 63653850**

**Manufacturing Date: 18SEP2015**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>3</sup>  Motility (wet-mount)	Gram-positive rods Report results  Report results	Gram-positive rods Circular, slight peaked, entire, smooth and gray (Figure 1) Motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	≥ 99% identical to GenBank ALNK01000003.1 ( <i>Peptostreptococcaceae</i> sp., Strain OBRC8)	≥ 99% identical to GenBank ALNK01000003.1 ( <i>Peptostreptococcaceae</i> sp., Strain OBRC8)
<b>Purity (post-freeze)</b> Anaerobic growth <sup>4</sup>  Aerobic growth <sup>5</sup>	Consistent with expected colony morphology No growth	Consistent with expected colony morphology No growth
<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.

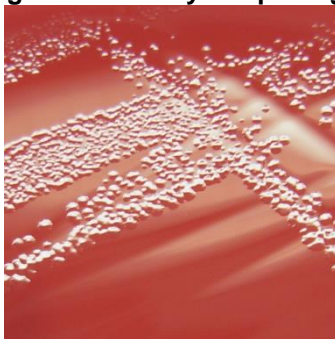
<sup>2</sup>*Peptostreptococcaceae* sp., strain OBRC8 was deposited by Dr. Maria V. Sizova, Ph.D., Department of Biology, Northeastern University, Boston, Massachusetts, USA. The deposited material was inoculated into Modified Trypticase-Yeast Extract broth and incubated for 11 days at 37°C in an anaerobic atmosphere (< 5% O<sub>2</sub>; Remel™ Pack-Anaero™). The material from the initial growth was passaged once in Modified Trypticase-Yeast Extract broth for 4 days at 37°C in an anaerobic atmosphere to produce this lot.

<sup>3</sup>4 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>4</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>5</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**



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**Date:** 21 APR 2016

**Signature:** 

BEI Resources Authentication

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