

**Megasphaera sp., Strain DNF00912**

**Catalog No. HM-1085**

**Product Description:** *Megasphaera* sp., strain DNF00912 was isolated in 2011 from vaginal fluid collected from a woman that tested positive for bacterial vaginosis in Washington, USA.

**Lot<sup>1,2</sup>: 63585536**

**Manufacturing Date: 01JUL2015**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphologies <sup>3,4</sup>  Motility (wet mount)	Gram-negative cocci Report results  Report results	Gram-negative cocci Colony type 1: Punctiform and gray (Figure 1) Colony type 2: Circular, low convex, entire, smooth and cream (Figure 1) Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1210 base pairs)	≥ 99% identical to depositor's sequence	≥ 99% identical to depositor's sequence (GenBank: KC297230)
<b>Purity (post-freeze)<sup>5</sup></b> Anaerobic atmosphere  Aerobic atmosphere	Growth consistent with expected colony morphology No growth	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.

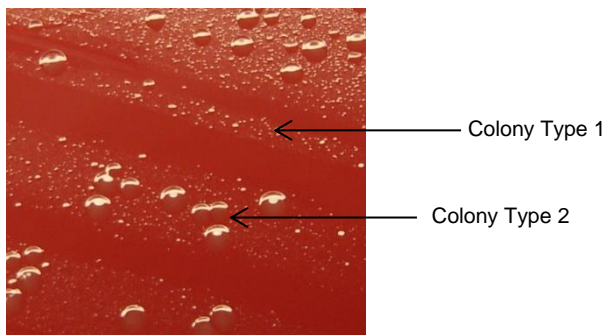
<sup>2</sup>*Megasphaera* sp., strain DNF00912 was deposited by David N. Fredricks, Principal Investigator, Vaccine and Infectious Diseases Division, Fred Hutchinson Cancer Research Center, Seattle, Washington, USA. The deposited material was inoculated into Brain Heart Infusion broth and grown 1 day at 37°C in an anaerobic atmosphere and preserved in 10% glycerol. HM-1085 was produced by inoculation of the preserved material into Reinforced Clostridial medium and grown 1 day at 37°C in an anaerobic atmosphere (< 5% O<sub>2</sub>; Remel™ Pack-Anaero™). The material from this growth was passaged once in Reinforced Clostridial medium for 1 day at 37°C in an anaerobic atmosphere to produce this lot.

<sup>3</sup>2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>4</sup>Two colony types were observed when grown at 37°C in an anaerobic atmosphere. Plating of the individual colony types showed that colony type 1 reverted to the mixed colony type and colony type 2 did not revert to the mixed colony type. The 16S ribosomal RNA gene of each colony type was sequenced and found to be consistent with the other colony type and the depositor's sequence.

<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 and 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**



## Certificate of Analysis for HM-1085

**Date:** 16 DEC 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.

ATCC<sup>®</sup> is a trademark of the American Type Culture Collection.  
You are authorized to use this product for research use only. It is not intended for human use.

