

**Bacillus sp., Strain DNF00233**

**Catalog No. HM-1156**

**Product Description:** *Bacillus* sp., strain DNF00233 was isolated in May 2011 from the vagina of a woman with bacterial vaginosis.

**Lot<sup>1,2</sup>: 70012456**

**Manufacturing Date: 31JAN2018**

| TEST  | SPECIFICATIONS  | RESULTS  |
|---|---|--|
| <b>Phenotypic Analysis</b><br>Cellular morphology<br>Colony morphology <sup>3</sup><br><br>Motility (wet mount) | Gram-positive rods<br>Report results<br><br>Report results                            | Gram-positive rods<br>Circular, convex, undulate, rough and cream (Figure 1)<br>Motile |
| <b>Genotypic Analysis</b><br>Sequencing of 16S ribosomal RNA gene (~ 1230 base pairs)                           | ≥ 99% sequence identity to <i>Bacillus</i> sp., strain DNF00233 (Genbank: KF280287.1) | 99.9% sequence identity to <i>Bacillus</i> sp., strain DNF00233 (Genbank: KF280287.1)  |
| <b>Purity (post-freeze)<sup>4,5</sup></b>   | Consistent with expected colony morphology  | Consistent with expected colony morphology   |
| <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>*Bacillus* sp., strain DNF00233 was deposited by David N. Fredricks, M.D., Principal Investigator, Vaccine and Infectious Diseases Division, Fred Hutchinson Cancer Research Center, Seattle, Washington, USA. HM-1156 was produced by inoculation of the deposited material into Nutrient broth and incubated for 1 day at 30°C in an aerobic atmosphere. Broth inoculum was added to Nutrient agar kolles which were grown 1 day at 30°C in an aerobic atmosphere to produce this lot.

<sup>3</sup>1 day at 30°C in an aerobic atmosphere on Nutrient agar

<sup>4</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.

<sup>5</sup>On day 7 of purity testing two colony types were observed. Colony type 1 was circular, convex, undulate, rough and gray. Colony type 2 was circular, convex, entire, smooth and gray. Plating of the individual colony types showed that they reverted to colony type 1 after 1 day of incubation.

**Figure 1: Colony Morphology**



/Heather Couch/  
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