

***Arthrobacter albus*, Strain DNF00011**

**Catalog No. HM-1152**

**Product Description:** *Arthrobacter albus* (*A. albus*), strain DNF00011 was isolated on April 25, 2011, from vaginal fluid collected from a woman that tested positive for bacterial vaginosis in the United States.

**Lot<sup>1,2</sup>: 63305778**

**Manufacturing Date: 12FEB2015**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology <sup>3</sup> Colony morphology <sup>4</sup>  Motility (wet mount)	Report results Report results  Report results	Gram-positive cocci to Gram-negative rods Circular, low convex, entire, smooth, opaque and white (Figure 1) Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1390 base pairs)	≥ 99% identical to GenBank: JRNH01000015 ( <i>A. albus</i> , strain DNF00011)	≥ 99% identical to GenBank: JRNH01000015 ( <i>A. albus</i> , strain DNF00011)
<b>Purity (post-freeze)<sup>5</sup></b>	Growth consistent with <i>A. albus</i>	Growth consistent with <i>A. albus</i>
<b>Viability (post-freeze)<sup>4</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. albus*, strain DNF00011 was deposited by David N. Fredricks, M.D., Principal Investigator, Vaccine and Infectious Diseases Division, Fred Hutchinson Cancer Research Center, Seattle, Washington, USA. HM-1152 was produced by inoculation of the deposited material into Tryptic Soy broth and incubated for 46 hours at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown for 23 hours at 37°C in an aerobic atmosphere to produce this lot.

<sup>3</sup>Gram-staining variability is characteristic of the genus *Arthrobacter* during growth and these variations are often accompanied by changes in cell shape. For additional information, please refer to Ward, C. M., Jr. and G. W. Claus. "Gram Characteristics and Wall Ultrastructure of *Arthrobacter crystallopoietes* during Coccus-Rod Morphogenesis." *J. Bacteriol.* 114 (1973): 378-389. PubMed: 4121451.

<sup>4</sup>47 hours at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>5</sup>Purity of this lot was assessed in an aerobic atmosphere for 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood.

**Figure 1**



**Date:** 03 APR 2015

**Signature:** 

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

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