

**Deinococcus grandis, Strain SK125**

**Catalog No. HM-111**

**Product Description:** *Deinococcus grandis* (*D. grandis*), strain SK125 was isolated from normal skin of the arm of a 47-year-old woman.

**Lot<sup>1,2</sup>: 59977621**

**Manufacturing Date: 17FEB2012**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology <sup>3</sup> Colony morphology <sup>4</sup>	Report results Report results	Gram-variable rods Circular, raised, entire, smooth and pink (Figure 1)
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1380 base pairs) <sup>5</sup>	≥ 99% identical to GenBank: PRJNA34069 ( <i>Deinococcus grandis</i> , strain SK125) Consistent with <i>Deinococcus grandis</i>	Pending <sup>5</sup> Consistent with <i>Deinococcus grandis</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>*D. grandis*, strain SK125 was deposited by Guillermo I. Perez-Perez, D.Sc., Associate Professor of Medicine, Departments of Medicine and Microbiology; School of Medicine, New York University, New York, New York. The deposited material was inoculated into Nutrient Broth and incubated for 48 hours at 30°C in an aerobic atmosphere. Broth was then added to Kolles and incubated for 48 hours at 30°C in an aerobic atmosphere to produce this lot.

<sup>3</sup>*Deinococcus* cells are classified as Gram-negative, but they possess a thick, inner peptidoglycan layer which may result in Gram-positive staining; see Oyaizu, H., et al. "A Radiation-Resistant Rod-Shaped Bacterium, *Deinobacter grandis* gen. nov., sp. nov., with Peptidoglycan Containing Ornithine." *Int. J. Syst. Bacteriol.* 37 (1987): 62-67.

<sup>4</sup>48 hours at 30°C in an aerobic atmosphere on Nutrient Agar

<sup>5</sup>The sequence obtained for HM-111 could only be compared with published sequences. No 16S sequence was provided by the depositor, therefore, a direct comparison could not be performed.

**Figure 1**



**Date:** 02 NOV 2012

**Signature:**

**Title:**

Technical Manager, BEI Authentication or designee

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