

Certificate of Analysis for HM-111

Deinococcus grandis, Strain SK125

Catalog No. HM-111

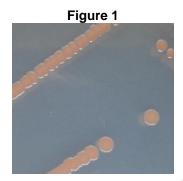
Product Description: Deinococcus grandis (D. grandis), strain SK125 was isolated from normal skin of the arm of a 47-year-old woman.

Lot^{1,2}: 59977621 Manufacturing Date: 17FEB2012

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ³ Colony morphology ⁴	Report results Report results	Gram-variable rods Circular, raised, entire, smooth and pink (Figure 1)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1380 base pairs) ⁵	≥ 99% identical to GenBank: PRJNA34069 (<i>Deinococcus grandis</i> , strain SK125) Consistent with <i>Deinococcus grandis</i>	Pending ⁵ Consistent with <i>Deinococcus grandis</i>
Viability (post-freeze) ⁴	Growth	Growth

¹Quality 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.

⁵The 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.



Date: 02 NOV 2012

Signature:

Title: Technical Manager, BEI Authentication or designee

ATCC[®], 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[®]'s knowledge.

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²D. 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.

³Deinococcus 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." <u>Int. J. Syst. Bacteriol.</u> 37 (1987): 62-67.

⁴48 hours at 30°C in an aerobic atmosphere on Nutrient Agar



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