

***Rothia dentocariosa*, Strain M567**

Catalog No. HM-245

Product Description: *Rothia dentocariosa* (*R. dentocariosa*), strain M567 was isolated from expectorated sputum from a 32-year-old male patient with cystic fibrosis in January 2008.

Lot^{1,2}: 60944644

Manufacturing Date: 11MAY2012

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ³ Colony morphology ⁴	Report results Report results	Gram-positive, pleomorphic (cocci, rods and filaments) Circular, convex, entire, white, smooth (can be mucoid with age) and opaque (Figure 1)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1430 base pairs)	≥ 99% identical to GenBank: ADDW01000024 (<i>R. dentocariosa</i> , strain M567)	≥ 99% identical to GenBank: ADDW01000024 (<i>R. dentocariosa</i> , strain M567)
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.

²*R. dentocariosa*, strain M567 was deposited by Professor Michael G. Surette, Department of Microbiology and Infectious Diseases, University of Calgary, Alberta, Canada. The deposited material was inoculated into Brain Heart Infusion Broth and passaged several times (24 to 48 hours incubation at 37°C in an aerobic atmosphere). The material from third passage was used to produce this lot.


³*R. dentocariosa* is characterized as Gram-positive, but the published literature for this species mentions the loss of Gram positivity in some filamentous elements, refer to Brown, J. M., L. K. Georg, and L. C. Waters. "Laboratory Identification of *Rothia dentocariosa* and Its Occurrence in Human Clinical Materials." *Appl. Microbiol.* 17 (1969): 150-156. PubMed: 4886858.

⁴48 hours at 37°C in an aerobic atmosphere on Tryptic Soy Agar with 5% sheep blood

Figure 1



Date: 26 OCT 2012

Signature: 

Title: Technical Manager, BEI Authentication or designee

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