

Staphylococcus caprae, Strain C87

Catalog No. HM-246

Product Description:

Staphylococcus caprae (*S. caprae*), strain C87 was isolated from expectorated sputum from a 31-year-old male patient with cystic fibrosis. *S. caprae*, strain C87 was deposited by Professor Michael G. Surette, Department of Microbiology and Infectious Diseases, University of Calgary, Alberta, Canada. HM-246 was produced by the inoculation of BEI Resources seed lot 59476578 into Tryptic Soy broth and incubated for 1 day at 37°C in an aerobic atmosphere. The material from the initial growth was passaged once in Tryptic Soy agar with 5% defibrinated sheep blood kolles for 1 day at 37°C in an aerobic atmosphere to produce this lot.

Note: 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.

Lot: 70044689

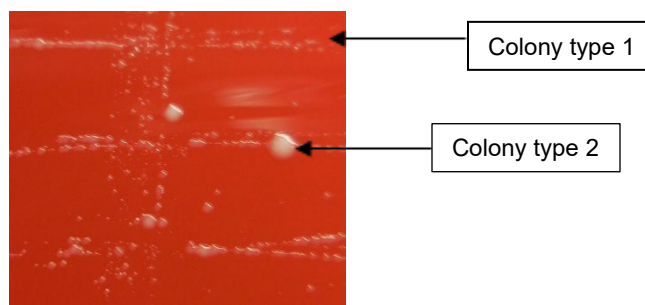
Manufacturing Date: 27MAY2021

| TEST | SPECIFICATIONS | RESULTS |
|--|--|---|
| Phenotypic Analysis Cellular morphology Colony morphology ¹ 1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount) | Gram-positive cocci Report results Report results | Gram-positive cocci Colony type 1: Circular, entire, opaque, white and small (Figure 1) Colony type 2: Circular, entire, opaque, white and large (Figure 1) Non-motile |
| Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1460 base pairs) | ≥ 99% sequence identity to <i>S. caprae</i> , strain C87 (GenBank: ACRH01000033.1) | 99.7% sequence identity to <i>S. caprae</i> , strain C87 (GenBank: ACRH01000033.1) ² |
| Purity (post-freeze) Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with and without 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood | Growth consistent with expected colony morphology | Growth consistent with expected colony morphology |
| Viability (post-freeze) 1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood | Growth | Growth |

¹Two colony types were observed. Plating of the individual colony types showed that they reverted to the mixed colony type. The 16S ribosomal RNA gene of each colony type was sequenced and determined to be consistent with *S. caprae*.

²Also consistent with *Staphylococcus capitis* and *Staphylococcus epidermidis*

Figure 1: Colony Morphology



/Heather Couch/
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