

***Staphylococcus epidermidis*, Strain NIH05001**

**Catalog No. HM-918**

**Product Description:**

*Staphylococcus epidermidis* (*S. epidermidis*), strain NIH05001 was isolated in 2005 in the United States from the blood of a 12-year-old male patient with immune dysregulation, polyendocrinopathy, enteropathy, X-linked (IPEX) syndrome without FOXP3 mutation and a history of repeated line infections with multiple organisms. HM-918 was produced by the inoculation of BEI Resources seed lot 63652484 into Tryptic Soy broth and incubated for 1 day 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 1 day at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

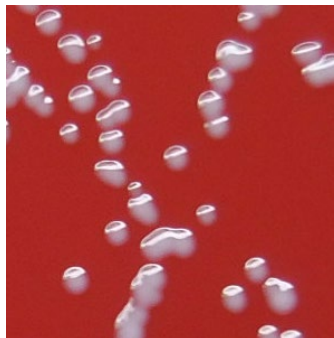
Note: Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

**Lot: 70056131**

**Manufacturing Date: 12OCT2022**

| TEST  | SPECIFICATIONS   | RESULTS  |
|---|--|--|
| <b>Phenotypic Analysis</b><br>Cellular morphology<br>Colony morphology<br><br>Motility (wet mount)  | Gram-positive cocci<br>Report results<br><br>Report results                                  | Gram-positive cocci<br>Circular, convex, entire, smooth and white (Figure 1)<br>Non-motile   |
| <b>Genotypic Analysis</b><br>Sequencing of 16S ribosomal RNA gene (~ 1490 base pairs)   | ≥ 99% sequence identity to <i>S. epidermidis</i> , strain NIH05001 (GenBank: AKHE01000071.1) | 99.9% sequence identity to <i>S. epidermidis</i> , strain NIH05001 (GenBank: AKHE01000071.1) |
| <b>Purity (post-freeze)</b><br>7 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> on Tryptic Soy agar with and without 5% defibrinated sheep blood | Growth consistent with expected colony morphology  | Growth consistent with expected colony morphology  |
| <b>Viability (post-freeze)</b>  | Growth   | Growth   |

**Figure 1: Colony Morphology**



/Sonia Bjorum Brower/

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20 JUN 2023

Technical Manager or designee, ATCC Federal Solutions

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