

# Micrococcus luteus, Strain SK58

## Catalog No. HM-114

### Product Description:

*Micrococcus luteus* (*M. luteus*), strain SK58 was isolated from normal skin of the left arm of a 57-year-old man. HM-114 was produced by inoculation of BEI Resources seed lot 60058727 into Nutrient broth and grown for 2 days at 26°C in an aerobic atmosphere. Broth inoculum was added to Nutrient agar kolles, which were grown for 1 day at 26°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: 70075875**

**Manufacturing Date: 08MAY2025**

| TEST                                                                                                                                                                                                                   | SPECIFICATIONS                                                                                         | RESULTS                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Phenotypic Analysis</b><br>Cellular morphology<br>2 days at 26°C in an aerobic atmosphere on Nutrient agar<br>Colony morphology<br>2 days at 26°C in an aerobic atmosphere on Nutrient agar<br>Motility (wet mount) | Gram-positive rods<br><br>Report results<br><br>Report results                                         | Gram-positive rods<br><br>Circular, convex, entire, smooth and yellow (Figure 1)<br><br>Non-motile     |
| <b>Genotypic Analysis</b><br>Sequencing of 16S ribosomal RNA gene (1420 base pairs)                                                                                                                                    | ≥ 99% sequence identity to <i>M. luteus</i> , strain SK58 (GenBank: AD000000000.1)                     | 100% sequence identity to <i>M. luteus</i> , strain SK58 (GenBank: AD000000000.1) <sup>1</sup>         |
| <b>Purity (post-freeze)</b><br>7 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> on Nutrient agar<br>7 days at 26°C in an aerobic atmosphere on Nutrient agar                                            | Growth consistent with expected colony morphology<br>Growth consistent with expected colony morphology | Growth consistent with expected colony morphology<br>Growth consistent with expected colony morphology |
| <b>Viability (post-freeze)</b><br>2 days at 26°C in an aerobic atmosphere on Nutrient agar                                                                                                                             | Growth                                                                                                 | Growth                                                                                                 |

<sup>1</sup>Also consistent with other *Micrococcus* species

**Figure 1: Colony Morphology**



**Certificate of Analysis for HM-114**

/Sonia Bjorum Brower/

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25 JUN 2025

Technical Manager or designee, ATCC Federal Solutions

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