

**Staphylococcus haemolyticus, Strain NRS62**
**Catalog No. NR-45892**
**Product Description:**

*Staphylococcus haemolyticus* (*S. haemolyticus*), strain NRS62 was isolated in 2000 from the dialysis fluid of a 58-year-old female renal ward inpatient in Texas, USA. *S. haemolyticus*, strain NRS62 was deposited as a glycopeptide-intermediate *S. haemolyticus* strain. NR-45892 was produced by inoculation of BEI Resources seed lot 70011766 into Tryptic Soy broth and grown 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.

**Lot: 70074253**
**Manufacturing Date: 20FEB2025**

BEI Resources is committed to ensuring digital accessibility for people with disabilities. This Certificate of Analysis contains complex tables and may not be fully accessible. Please let us know if you encounter accessibility barriers and a fully accessible document will be provided: E-mail: [Contact@BEIResources.org](mailto:Contact@BEIResources.org). We try to respond to feedback within 24 hours.

| TEST                                                                                                                                                                                                                                                                                                                                                                                                                                              | SPECIFICATIONS                                                                                                                                                                                                                                                                                        | RESULTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Phenotypic Analysis</b><br>Cellular morphology<br>Colony morphology<br><br>Motility (wet mount)<br>Hemolysis<br>1 day at 37°C in an aerobic atmosphere with<br>5% CO <sub>2</sub> on Tryptic Soy agar with<br>5% defibrinated sheep blood<br>Biochemical characterization<br>Catalase<br>Coagulase <sup>1</sup><br>VITEK® MS (MALDI-TOF)                                                                                                       | Gram-positive cocci<br>Report results<br><br>Report results<br>Report results<br><br>Positive<br>Negative<br><i>S. haemolyticus</i>                                                                                                                                                                   | Gram-positive cocci<br>Circular, convex, entire, smooth and<br>white (Figure 1)<br>Non-motile<br>β-hemolytic<br><br>Positive<br>Negative<br><i>S. haemolyticus</i> (99.9%)                                                                                                                                                                                                                                                                                                                  |
| <b>Antibiotic Susceptibility Profile<sup>2</sup></b><br>VITEK® (AST-GP78 card)<br>Beta-lactamase<br>Cefoxitin screen<br>Benzylpenicillin<br>Ciprofloxacin<br>Clindamycin<br>Clindamycin (inducible resistance)<br>Daptomycin<br>Erythromycin<br>Gentamicin<br>Levofloxacin<br>Linezolid<br>Minocycline<br>Moxifloxacin<br>Nitrofurantoin<br>Oxacillin<br>Rifampicin<br>Tetracycline<br>Tigecycline<br>Trimethoprim/sulfamethoxazole<br>Vancomycin | Positive<br>Report results<br>Resistant<br>Resistant<br>Report results<br>Positive<br>Sensitive<br>Resistant<br>Resistant<br>Resistant<br>Sensitive<br>Sensitive<br>Resistant<br>Sensitive<br>Resistant<br>Sensitive<br>Resistant<br>Sensitive<br>Resistant<br>Resistant<br>Resistant<br>Intermediate | Positive<br>Positive<br>Resistant (≥ 0.5 µg/mL)<br>Resistant (≥ 8 µg/mL)<br>Sensitive (0.25 µg/mL)<br>Positive<br>Sensitive (0.5 µg/mL)<br>Resistant (≥ 8 µg/mL)<br>Resistant (≥ 16 µg/mL)<br>Resistant (≥ 8 µg/mL)<br>Sensitive (2 µg/mL)<br>Sensitive (≤ 0.5 µg/mL)<br>Resistant (4 µg/mL)<br>Sensitive (≤ 16 µg/mL)<br>Resistant (≥ 4 µg/mL)<br>Sensitive (≤ 0.5 µg/mL)<br>Resistant (≥ 16 µg/mL)<br>Resistant (1 µg/mL) <sup>3</sup><br>Resistant (160 µg/mL)<br>Intermediate (6 µg/mL) |

# Certificate of Analysis for NR-45892

| TEST                                                                                                                                                                  | SPECIFICATIONS                                                                             | RESULTS                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Etest® antibiotic test strips<br>1 day at 35°C in an aerobic atmosphere on<br>Mueller Hinton agar<br>Quinupristin/dalfopristin<br>Teicoplanin                         | Sensitive<br>Intermediate                                                                  | Sensitive (0.25 µg/mL)<br>Intermediate (24 µg/mL)                                          |
| <b>Genotypic Analysis</b><br>Sequencing of 16S ribosomal RNA gene<br>(~ 1430 base pairs)                                                                              | ≥ 99% sequence identity to<br><i>S. haemolyticus</i> , strain NRS62<br>(GenBank: D83367.1) | 99.9% sequence identity to<br><i>S. haemolyticus</i> , strain NRS62<br>(GenBank: D83367.1) |
| <b>Purity (post-freeze)</b><br>7 days at 37°C in an aerobic atmosphere with and<br>without 5% CO <sub>2</sub> on Tryptic Soy agar with 5%<br>defibrinated sheep blood | Growth consistent with expected<br>colony morphology                                       | Growth consistent with expected<br>colony morphology                                       |
| <b>Viability (post-freeze)</b>                                                                                                                                        | Growth                                                                                     | Growth                                                                                     |

<sup>1</sup>4 hours at 37°C in rabbit serum with 0.15% EDTA (Coagulase Plasma BBL™ 240827)

<sup>2</sup>Minimum Inhibitory Concentration (MIC); MIC Interpretation Guideline: CLSI M100-S28 (2018)

<sup>3</sup>MIC Interpretation Guideline: EUCAST Version 4.0 (2014)

**Figure 1: Colony Morphology**



/Sonia Bjorum Brower/

Sonia Bjorum Brower

Technical Manager or designee, ATCC Federal Solutions

25 JUN 2025

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by ATCC® 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.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

