

Staphylococcus epidermidis, Strain VCU014

Catalog No. NR-46377

Product Description: *Staphylococcus epidermidis* (*S. epidermidis*), strain VCU014 is of unknown origin.

Lot¹: 63652473

Manufacturing Date: 29JUL2015

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Motility (wet mount) Hemolysis ² Biochemical characterization Catalase Coagulase ³ VITEK [®] 2 Compact (GP card) VITEK [®] MS (MALDI-TOF)	Gram-positive cocci Report results Report results Report results Positive Report results ≥ 90% probability of being <i>S. epidermidis</i> <i>S. epidermidis</i>	Gram-positive cocci Circular, low convex, entire, smooth and gray (Figure 1) Non-motile Non-hemolytic Positive Negative <i>S. epidermidis</i> (95% probability) ⁴ <i>S. epidermidis</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1510 base pairs)	≥ 99% sequence identity to <i>S. epidermidis</i> , strain VCU014 (GenBank: JHQB01000049)	99.8% sequence identity to <i>S. epidermidis</i> , strain VCU014 (GenBank: JHQB01000049)
Purity (post-freeze)⁵	Consistent with expected colony morphology	Consistent with expected colony morphology
Viability (post-freeze)²	Growth	Growth

¹*S. epidermidis*, strain VCU014 was deposited to BEI Resources as part of the NARSA collection. NR-46377 was produced by inoculation of the deposited material into Tryptic Soy broth and grown 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 1 day at 37°C in an aerobic atmosphere to produce this lot.

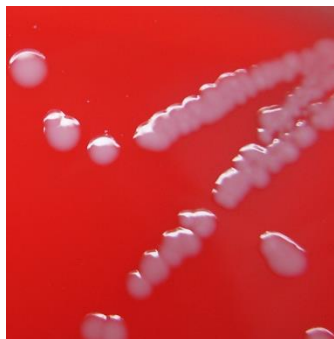
²1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

³1 day at 37°C in rabbit serum with 0.15% EDTA (Coagulase Plasma BBL™ 240827)

⁴Percent probabilities above 90% indicate a close match to the typical biochemical pattern for the given organism, with a percent probability of 99% being a perfect match between the test reaction pattern and the unique biochemical pattern of the given organism or organism group. For additional information, please refer to O'Hara, C.M. and J. M. Miller. "Evaluation of the VITEK 2 ID-GNB Assay for Identification of Members of the Family Enterobacteriaceae and Other Nonenteric Gram-Negative Bacilli and Comparison with the VITEK GNI+ Card." *J. Clin. Microbiol.* 41 (2003): 2096-2101. PubMed: 12734254.

⁵Purity of this lot was assessed for 8 days at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



Date: 23 FEB 2017

Signature:



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