

**Enterococcus faecium, Strain E0045**

**Catalog No. NR-31913**

**Product Description:**

*Enterococcus faecium* (*E. faecium*), strain E0045 was isolated in 1992 from chicken feces in Great Britain. *E. faecium*, strain E0045 is reported to be resistant to gentamicin and vancomycin. NR-31913 was produced by inoculation of BEI Resources seed lot 61956022 into Brain Heart Infusion broth and incubated for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Brain Heart Infusion agar 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: 70061540**

**Manufacturing Date: 23JUN2023**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology  Motility (wet mount) Hemolysis VITEK® MS (MALDI-TOF)	Gram-positive cocci Report results  Report results Non-hemolytic or α-hemolytic <i>E. faecium</i>	Gram-positive cocci Circular, low convex, entire, smooth and cream (Figure 1)  Non-motile Non-hemolytic <i>E. faecium</i> (99.9%)
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1240 base pairs)	≥ 99% sequence identity to <i>E. faecium</i> , strain E0045 (GenBank: AHWH01000077.1)	99.9% sequence identity to <i>E. faecium</i> , strain E0045 (GenBank: AHWH01000077.1)
<b>Purity (post-freeze)</b> 9 days at 37°C in an aerobic atmosphere on Brain Heart Infusion agar  9 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology  Growth consistent with expected colony morphology	Growth consistent with expected colony morphology  Growth consistent with expected colony morphology
<b>Viability (post-freeze)</b>	Growth	Growth

**Figure 1: Colony Morphology**



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