

Enterococcus faecium, Strain E1321

Catalog No. NR-31963

Product Description: *Enterococcus faecium* (*E. faecium*), strain E1321 was isolated in 1999 from the catheter of a hospitalized patient in Italy.

Lot¹: 64220049

Manufacturing Date: 04MAY2016

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Motility (wet mount) Hemolysis ² VITEK [®] MS (MALDI-TOF)	Gram-positive cocci Report results Report results Report results <i>E. faecium</i>	Gram-positive cocci Circular, low convex, entire, smooth and gray (Figure 1) Non-motile Non-hemolytic <i>E. faecium</i> (99.9%)
Antibiotic Susceptibility Profile Etest [®] antibiotic test strips ³ Ampicillin ⁴ Gentamicin ⁴	Resistant Resistant	Resistant (64 µg/mL) Intermediate (8 µg/mL) ⁵
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1460 base pairs)	≥ 99% sequence identity to <i>E. faecium</i> , strain E1321 (GenBank: AHYF01000036.1)	99.8% sequence identity to <i>E. faecium</i> , strain E1321 (GenBank: AHYF01000036.1)
Purity (post-freeze)⁶	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)²	Growth	Growth

¹NR-31963 was produced by inoculation of the deposited material 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.

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

³1 day at 37°C in an aerobic atmosphere on Mueller Hinton agar

⁴For ampicillin (bioMérieux Etest[®] 412252), a MIC ≤ 8 µg/mL is sensitive and a MIC ≥ 16 µg/mL is resistant. For gentamicin (bioMérieux Etest[®] 412367), a MIC ≤ 4 µg/mL is sensitive, MIC = 8 µg/mL is intermediate and a MIC ≥ 16 µg/mL is resistant.

⁵*E. faecium*, strain E1321 was deposited as being resistant to gentamicin. Antibiotic susceptibility testing performed in duplicate determined that strain E1321 has an intermediate susceptibility to gentamicin.

⁶Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



Certificate of Analysis for NR-31963

Date: 22 JUL 2016

Signature:



BEI Resources Authentication

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