

Certificate of Analysis for NR-31963

Enterococcus faecium, Strain E1321

Catalog No. NR-31963

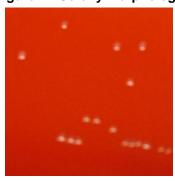
Product Description: *Enterococcus faecium* (*E. faecium*), strain E1321 was isolated in 1999 from the catheter of a hospitalized patient in Italy.

Lot¹: 64220049 Manufacturing Date: 04MAY2016

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology ²	Report results	Circular, low convex, entire, smooth and gray (Figure 1)
Motility (wet mount)	Report results	Non-motile
Hemolysis ²	Report results	Non-hemolytic
VITEK® MS (MALDI-TOF)	E. faecium	E. faecium (99.9%)
Antibiotic Susceptibility Profile Etest® antibiotic test strips³		
Ampicillin ⁴	Resistant	Resistant (64 µg/mL)
Gentamicin ⁴	Resistant	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 E. faecium, 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.

Figure 1: Colony Morphology



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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.

⁵E. 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.



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Date: 22 JUL 2016

Signature:

BEI Resources Authentication

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

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