

Enterococcus faecalis, Strain B3119

Catalog No. NR-31884

Product Description: *Enterococcus faecalis* (*E. faecalis*), strain B3119 was isolated in the USA from human blood in 1987. Strain B3119 was deposited as a hemolytic, cytolytic isolate with resistance to gentamicin.

Lot¹: 61911546

Manufacturing Date: 02AUG2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Hemolysis ² Analytical profile index (API [®] 20 Strep)	Gram-positive cocci Report results Non-hemolytic or α -hemolytic Consistent with <i>E. faecalis</i>	Gram-positive cocci Circular, convex, entire, smooth and white (Figure 1) Non-hemolytic ³ Consistent with <i>E. faecalis</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 950 base pairs)	Consistent with <i>E. faecalis</i>	Consistent with <i>E. faecalis</i> ⁴
Viability (post-freeze)²	Growth	Growth

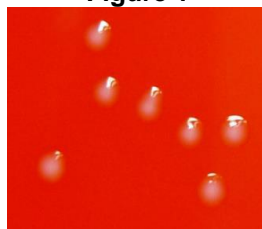
¹*E. faecalis*, strain B3119 was deposited by Michael S. Gilmore, Sir William Osler Professor of Ophthalmology, Department of Ophthalmology, Massachusetts Eye and Ear Infirmary, Boston, Massachusetts, USA. NR-31884 was produced by inoculation of the deposited material into Tryptic Soy broth and incubated for 24 hours at 37°C in an aerobic atmosphere. Broth inoculum was added to kolles (Tryptic Soy agar with 5% defibrinated sheep blood), which were grown 24 hours at 37°C in an aerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

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

³*E. faecalis*, strain B3119 was deposited as hemolytic, however lot 61911546 displayed a non-hemolytic phenotype. This may be a result of testing on sheep blood plates, as some enterococcal hemolysins are not functional with sheep blood (Huycke, M. M., C. A. Spiegel and M. S. Gilmore. "Bacteremia Caused by Hemolytic, High-Level Gentamicin-Resistant *Enterococcus faecalis*." *Antimicrob. Agents Chemother.* 35 (1991): 1626-1634. PubMed: 1929336.).

⁴≥ 99% identical to GenBank: AIRF01000031 (*E. faecalis*, strain B3119)

Figure 1



Date: 21 NOV 2013

Signature: 

Title: Technical Manager, BEI Authentication or designee

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