b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-31884

Enterococcus faecalis, Strain B3119

Catalog No. NR-31884

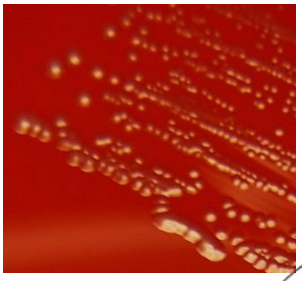
Product Description: *Enterococcus faecalis* (*E. faecalis*), strain B3119 was isolated in the USA from human blood in 1987. Strain B3119 was deposited as a hemolytic, cytolytic isolate with resistance to gentamicin.

Lot[1]: 70003575 **Manufacturing Date: 10MAR2017**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology[2]	Report results	Circular, convex, entire, smooth and gray (Figure 1)
Hemolysis on blood agar[2,3]	Non-hemolytic	Non-hemolytic[3]
Motility (wet mount)	Report results	Non-motile
VITEK® MS (MALDI-TOF)	Consistent with *E. faecalis*	*E. faecalis* (99.9%)
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 800 base pairs)	≥ 99% sequence identity to *E. faecalis* strain B3119 (GenBank: AIRF01000004.1)	99.9% sequence identity to *E. faecalis* strain B3119 (GenBank: AIRF01000004.1)
Purity (post-freeze)[4]	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)[2]	Growth	Growth

[1]NR-31884 was produced by inoculation of BEI Resources NR-31884 (Lot 61911546) into Tryptic Soy broth and grown for 1 day in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles and incubated for 1 day at 37°C in an aerobic atmosphere to produce this lot.
[2]1 day 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 testing performed by BEI Resources 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]Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere on Tryptic Soy agar.

Figure 1: Colony Morphology



Date: 19 JUL 2017 **Signature:**

BEI Resources Authentication

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