

**Enterococcus faecalis, Strain B3196**

**Catalog No. NR-31885**

**Product Description:** *Enterococcus faecalis* (*E. faecalis*), strain B3196 was isolated in the USA from human blood in 1987. Strain B3196 is a cytolytic isolate that shows high-level resistance to gentamycin.

**Lot<sup>1</sup>: 61913285**

**Manufacturing Date: 02AUG2013**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Hemolysis <sup>2</sup> Motility (wet mount) Analytical profile index (API <sup>®</sup> 20 Strep)	Gram-positive cocci Report results  Non-hemolytic or $\alpha$ -hemolytic Report results Consistent with <i>E. faecalis</i>	Gram-positive cocci Circular, convex, entire, smooth and white (Figure 1) Non-hemolytic <sup>3</sup> Non-motile Consistent with <i>E. faecalis</i>
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 930 base pairs)	Consistent with <i>E. faecalis</i>	Consistent with <i>E. faecalis</i> <sup>4</sup>
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

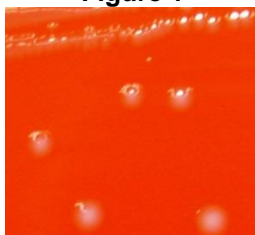
<sup>1</sup>*E. faecalis*, strain B3196 was deposited by Michael S. Gilmore, Ph.D., Sir William Osler Professor of Ophthalmology, Department of Ophthalmology, Massachusetts Ear and Eye Infirmary, Boston, Massachusetts, USA. NR-31885 was produced by inoculation of the deposited material into Tryptic Soy broth and incubated for 24 hours at 37°C in an aerobic atmosphere. Broth inoculum was added to kolles, 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.

<sup>2</sup>24 hours at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>3</sup>*E. faecalis*, strain B3196 was deposited as hemolytic, however lot 61913285 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.).

<sup>4</sup>≥ 99% identical to GenBank: AIRH01000031 (*E. faecalis*, strain B3196)

**Figure 1**



**Date:** 20 JAN 2014

**Signature:** 

**Title:** Technical Manager, BEI Authentication or designee

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