

***Streptococcus mitis*, Strain SPAR10**

Catalog No. NR-34818

Product Description: *Streptococcus mitis* (*S. mitis*), strain SPAR10 was isolated in June 1996 from human blood in Atlanta, Georgia, USA.

Lot¹: 61805518

Manufacturing Date: 07JUN2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Hemolysis on blood agar ² Biochemical tests: Analytical profile index (API [®] 20 STREP) Catalase Acid production from salicin Acid production from glycerol Optochin resistance ³	Gram-positive cocci Report results α-hemolytic Consistent with <i>S. mitis</i> Negative Report results Negative Positive	Gram-positive cocci Circular, very low convex, entire, smooth and gray-beige (Figure 1) α-hemolytic Consistent with <i>S. mitis</i> Negative Negative Negative Positive
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 680 base pairs)	Consistent with <i>S. mitis</i>	Consistent with <i>S. mitis</i> ⁴
Viability (post-freeze)²	Growth	Growth

¹*S. mitis*, strain SPAR10 was deposited by Scott T. Chancey, Ph.D., Senior Research Associate, Department of Medicine, Emory University, Atlanta, Georgia, USA. NR-34818 was produced by inoculation of the deposited material into Tryptic Soy broth and incubated for 24 hours at 37°C in an aerobic atmosphere with 5% CO₂. Broth inoculum was added to kolles which were grown 24 hours at 37°C to produce this lot. Purity of this lot was accessed for 7 days under propagation conditions.

²24 hours at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% sheep blood

³Optochin resistance differentiates *S. mitis* from *S. pneumonia*.

⁴Also consistent with other Streptomyces species, ≥ 99% identical to *S. mitis*, strain SPAR10 (GenBank: ALCH01000004)

Figure 1



Date: 22 OCT 2013

Signature: 

Title: Technical Manager, BEI Authentication or designee

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