

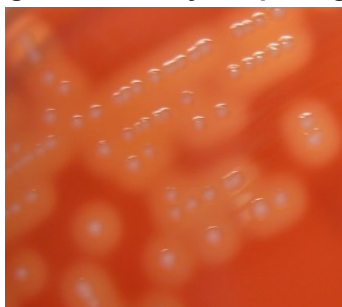
Streptococcus pyogenes*, Strain MGAS15186*Catalog No. NR-15373****Product Description:** *Streptococcus pyogenes* (*S. pyogenes*), strain MGAS15186, serotype M3, was isolated in 2006 from a case of human invasive infection in Ontario, Canada.**Lot¹: 63957089****Manufacturing Date: 14JAN2016**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Hemolysis on blood agar ² Motility (wet mount) Biochemical tests: Catalase VITEK [®] MS (MALDI-TOF)	Gram-positive cocci Report results Report results Non-motile Negative Consistent with <i>S. pyogenes</i>	Gram-positive cocci Circular, low convex, entire, smooth and cream (Figure 1) β-hemolytic Non-motile Negative <i>S. pyogenes</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (1420 base pairs)	≥ 99% sequence identity to <i>S. pyogenes</i> type strain	99.9% sequence identity to AB00252 (ATCC [®] 12344™)
Purity (post-freeze)³ Aerobic growth	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)²	Growth	Growth

¹NR-15373 was produced by inoculation of the deposited material into Todd-Hewitt broth and incubated for 1 day at 37°C in an aerobic atmosphere with 5% CO₂. 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 with 5% CO₂ to produce this lot.

²1 day at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood

³Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology**Date:** 05 FEB 2016**Signature:**
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