

***Streptococcus pyogenes*, Strain MGAS9890 (Genotype *emm3*)**

Catalog No. NR-15274

Product Description: *Streptococcus pyogenes* (*S. pyogenes*), strain MGAS9890 was isolated in February 2000 from a case of human bacteremia in Ontario, Canada. *S. pyogenes*, strain MGAS9890 has been molecularly characterized as a genotype *emm3*, Group A *Streptococcus* strain.

Lot¹: 70015103

Manufacturing Date: 02MAY2018

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Hemolysis ³ Motility (wet mount) Biochemical tests: Catalase VITEK [®] MS (MALDI-TOF)	Gram-positive cocci Report results β-hemolytic Report results Negative <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 (~ 1170 base pairs)	≥ 99% sequence identity to <i>S. pyogenes</i> type strain (GenBank: ATXR01000029.1)	100% sequence identity to <i>S. pyogenes</i> type strain (GenBank: ATXR01000029.1)
Purity (post-freeze)⁴	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)²	Growth	Growth

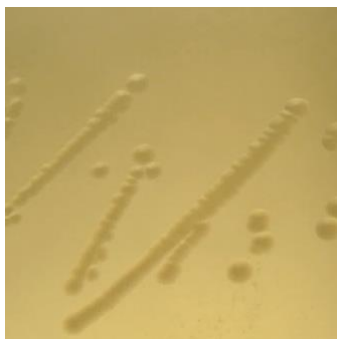
¹NR-15274 was produced by inoculation of BEI Resources NRS-15274 lot 61743365 into Tryptic Soy broth and grown for 1 day in an aerobic atmosphere with 5% CO₂. Broth inoculum was added to Tryptic Soy agar kolles, which were incubated for 1 day at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot.

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

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

⁴Purity 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



/Heather Couch/

Heather Couch

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