

***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.

**Lot<sup>1</sup>: 70010885**

**Manufacturing Date: 29NOV2017**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Hemolysis on blood agar <sup>3</sup> Motility (wet mount) Biochemical tests: Catalase VITEK <sup>®</sup> MS (MALDI-TOF)	Gram-positive cocci Report results  β-hemolytic Non-motile  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%)
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 730 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)
<b>Purity (post-freeze)<sup>4</sup></b>	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

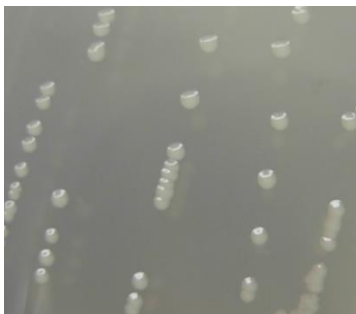
<sup>1</sup>NR-15274 was produced by inoculation of BEI Resources NRS-15274 lot 61743365 into Tryptic Soy broth and grown for 1 day in an aerobic atmosphere with 5% CO<sub>2</sub>. Broth inoculum was added to Tryptic Soy agar kolles, which were incubated for 1 day at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> to produce this lot.

<sup>2</sup>1 day at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar

<sup>3</sup>1 day at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>4</sup>Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar.

**Figure 1: Colony Morphology**



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Program Manager or designee, ATCC Federal Solutions

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