

**Streptococcus pyogenes, Strain MGAS9894**

**Catalog No. NR-15275**

**Product Description:** *Streptococcus pyogenes* (*S. pyogenes*), strain MGAS9894, serotype M3, was isolated in February 2000 from a case of human necrotizing fasciitis in Ontario, Canada.

**Lot<sup>1</sup>: 61743363**

**Manufacturing Date: 15MAY2013**

| TEST  | SPECIFICATIONS  | RESULTS  |
|---|---|--|
| <b>Phenotypic Analysis</b><br>Cellular morphology<br>Colony morphology <sup>2</sup><br><br>Hemolysis on blood agar <sup>3</sup><br>Motility (wet mount)<br>Biochemical tests:<br>Analytical profile index (API <sup>®</sup> 20 STREP)<br>Catalase | Gram-positive cocci<br>Report results<br><br>Report results<br>Non-motile<br><br>Consistent with <i>S. pyogenes</i><br>Negative | Gram-positive cocci<br>Circular, convex, entire, opaque, smooth and cream (Figure 1)<br>β-hemolytic<br>Non-motile<br><br>Consistent with <i>S. pyogenes</i> <sup>4</sup><br>Negative |
| <b>Genotypic Analysis</b><br>Sequencing of 16S ribosomal RNA gene (~ 1490 base pairs)<br>Riboprinter <sup>®</sup> Microbial Characterization System   | Consistent with <i>S. pyogenes</i><br><br>Consistent with <i>S. pyogenes</i>  | Consistent with <i>S. pyogenes</i><br><br>Consistent with <i>S. pyogenes</i>   |
| <b>Viability (post-freeze)<sup>2</sup></b>  | Growth  | Growth   |

<sup>1</sup>*S. pyogenes*, strain MGAS9894 was deposited by James M. Musser, MD, PhD, Co-Director, Department of Pathology, The Methodist Hospital Research Institute, Houston, Texas, USA. NR-15275 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%CO<sub>2</sub>. Broth inoculum was added to Tryptic Soy agar with 5% sheep blood kolles which were grown 24 hours at 37°C to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

<sup>2</sup>25 hours at 37°C in an aerobic atmosphere with 5%CO<sub>2</sub> on Tryptic Soy agar

<sup>3</sup>25 hours at 37°C in an aerobic atmosphere with 5%CO<sub>2</sub> on Tryptic Soy agar with 5% sheep blood

<sup>4</sup>bioMérieux recommends additional serological tests to confirm the results obtained using API<sup>®</sup> 20 STREP.

**Figure 1**



**Date:** 25 MAR 2014

**Signature:**

**Title:**

Technical Manager, BEI Authentication or designee

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