

***Streptococcus pyogenes*, Strain MGAS15252**

Catalog No. NR-33709

Product Description: *Streptococcus pyogenes* (*S. pyogenes*), strain MGAS15252, serotype M59, was isolated in 2008 from the thigh of a patient with an invasive soft tissue infection in Manitoba, Canada.

Lot¹: 61855875

Manufacturing Date: 27JUN2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Hemolysis on blood agar ² Biochemical tests: Analytical profile index (API [®] 20 STREP) Catalase	Gram-positive cocci Report results Report results Consistent with <i>S. pyogenes</i> Negative	Gram-positive cocci Circular, low convex, entire, smooth and white (Figure 1) β-hemolytic Consistent with <i>S. pyogenes</i> ³ Negative
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 880 base pairs) Riboprinter [®] Microbial Characterization System	Consistent with <i>S. pyogenes</i> Consistent with <i>S. pyogenes</i>	Consistent with <i>S. pyogenes</i> ⁴ Consistent with <i>S. pyogenes</i>
Viability (post-freeze)²	Growth	Growth

¹*S. pyogenes*, strain MGAS15252 was deposited by James M. Musser, M.D., Ph.D., Co-Director, Department of Pathology, The Methodist Hospital Research Institute, Houston, Texas, USA. NR-33709 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. Following four passages under these conditions, broth inoculum was added to kolles which were grown 24 hours at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot.

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

³bioMérieux recommends additional serological tests to confirm the results obtained using API[®] 20 STREP.

⁴≥ 99% identical to *S. pyogenes*, strain MGAS15252 (GenBank: CP003116)

Figure 1



Date: 29 AUG 2013

Signature:

Title:

Technical Manager, BEI Authentication or designee

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