

## Certificate of Analysis for NR-36669

### *Streptococcus agalactiae*, Strain MRI Z1-201

**Catalog No.** NR-36669

**Product Description:** *Streptococcus agalactiae* (*S. agalactiae*), strain MRI Z1-201 was isolated on February 12, 2003, from a gray seal (*Halichoerus grypus*) in Scotland.

**Lot<sup>1</sup>:** 62447297

**Manufacturing Date:** 14MAR2014

| TEST                                                                                                                                                                                                                                              | SPECIFICATIONS                                                                                                                    | RESULTS                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Phenotypic Analysis</b><br>Cellular morphology<br>Colony morphology <sup>2</sup><br><br>Hemolysis on blood agar <sup>2</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. agalactiae</i><br>Negative | Gram-positive cocci<br>Circular, convex, entire,<br>smooth and gray (Figure 1)<br>β-hemolytic<br>Non-motile<br><br>Consistent with <i>S. agalactiae</i> <sup>3</sup><br>Negative |
| <b>Genotypic Analysis</b><br>Sequencing of 16S ribosomal RNA gene (875 base pairs)                                                                                                                                                                | Consistent with <i>S. agalactiae</i>                                                                                              | Consistent with <i>S. agalactiae</i> <sup>4</sup>                                                                                                                                |
| <b>Viability (post-freeze)<sup>2</sup></b>                                                                                                                                                                                                        | Growth                                                                                                                            | Growth                                                                                                                                                                           |

<sup>1</sup>*S. agalactiae*, strain MRI Z1-201 was deposited by Geoffrey Foster, PhD, Veterinary Services, Scottish Agricultural College, Inverness, Scotland, United Kingdom. NR-36669 was produced by inoculation of the deposited material into Todd-Hewitt 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>24 hours at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% sheep blood

<sup>3</sup>bioMérieux recommends additional serological tests to confirm the results obtained using API<sup>®</sup> 20 STREP.

<sup>4</sup>≥ 99% identical to GenBank: ANQL01000013 (*S. agalactiae*, strain MRI Z1-201)

**Figure 1**



**Date:** 07 MAY 2014

**Signature:**

**Title:**

Technical Manager, BEI Authentication or designee

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