**Streptococcus pyogenes, Strain MGAS9882**

Catalog No. NR-15272

For research use only. Not for human use.

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**Manufacturer:**
BEI Resources

**Product Description:**
- **Bacteria Classification:** Streptococcaceae, Streptococcus
- **Species:** Streptococcus pyogenes
- **Strain:** MGAS9882
- **Serotype:** M3

**Original Source:** Streptococcus pyogenes (S. pyogenes), strain MGAS9882 was isolated in January 2000 from a patient in Ontario, Canada with a soft tissue infection.¹ ²

**Comment:** S. pyogenes, strain MGAS9882 has been molecularly characterized as a serotype M3, Group A Streptococcus with emm3 allele type 3.2.¹ ²

S. pyogenes is a non-motile, non-sporulating, Gram-positive, β-hemolytic coccus found in normal human nasopharyngeal flora and is one of the most frequent pathogens of humans. It is estimated that between 5-15% of normal individuals harbor S. pyogenes without signs of disease.³ Mild infections may present as pharyngitis (strep throat), scarlet fever (rash), impetigo (superficial skin) or cellulitis (deep skin). Invasive, toxigenic infections can result in necrotizing fasciitis, myositis and streptococcal toxic shock syndrome.⁴ ⁵ ⁶

**Material Provided:**
Each vial contains approximately 0.5 mL of bacterial culture in Tryptic Soy broth supplemented with 10% glycerol.

**Note:** If homogeneity is required for your intended use, please purify prior to initiating work.

**Packaging/Storage:**
NR-15272 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -80°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

**Growth Conditions:**
- **Media:**
  - Tryptic Soy broth or equivalent
  - Tryptic Soy agar with 5% defibrinated sheep blood or equivalent
- **Incubation:**
  - Temperature: 37°C
  - Atmosphere: Aerobic with 5% CO₂

**Propagation:**
1. Keep vial frozen until ready for use, then thaw.
2. Transfer the entire thawed aliquot into a single tube of broth.
3. Use several drops of the suspension to inoculate an agar slant and/or plate.
4. Incubate the tubes and plate at 37°C for 1 day.

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Streptococcus pyogenes, Strain MGAS9882, NR-15272.”

**Biosafety Level:** 2


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References: