

Certificate of Analysis for NR-50285

Streptococcus pyogenes, Strain MGAS27061 (Genotype emm89)

Catalog No. NR-50285

Product Description: Streptococcus pyogenes (S. pyogenes), strain MGAS27061, was isolated in 2008 from a case of human invasive infection in Georgia, USA. S. pyogenes, strain MGAS27061 has been molecularly characterized as a clade 3 emm89, Group A Streptococcus strain.

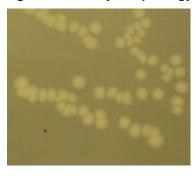
Lot¹: 2212 Manufacturing Date: 03NOV2016

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology ²	Report results	Circular, convex, entire, smooth and cream (Figure 1)
Hemolysis on blood agar ³	Report results	β-hemolytic
Motility (wet mount)	Report results	Non-motile
Biochemical tests:	·	
Catalase	Negative	Negative
VITEK® MS (MALDI-TOF)	Consistent with S. pyogenes	S. pyogenes (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 770 base pairs)	≥ 99% sequence identity to S. pyogenes, strain MGAS27061 (GenBank: CP013840.1)	100% sequence identity to S. pyogenes, strain MGAS27061 (GenBank: CP013840.1)
Purity (post-freeze) ⁴	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze) ²	Growth	Growth

¹NR-50285 was produced by inoculation of the deposited material into Tryptic Soy broth and incubated for 1 day at 37°C in an aerobic atmosphere with 5% CO₂. Broth inoculum was added to Tryptic Soy agar kolles, which were grown for 1 day at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot.

⁴Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.





BEI Resources www.beiresources.org E-mail: contact@beiresources.org
Tel: 800-359-7370

Tel: 800-359-7370 Fax: 703-365-2898

²1 day at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar

³1 day at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood



Certificate of Analysis for NR-50285

Date: 15 MAR 2017

Signature:

BEI Resources Authentication

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

BEI Resources www.beiresources.org E-mail: contact@beiresources.org
Tel: 800-359-7370

Tel: 800-359-7370 Fax: 703-365-2898