

## **Certificate of Analysis for NR-48725**

## Streptococcus pyogenes, Strain ABC020052203

## Catalog No. NR-48725

This reagent is the tangible property of the U.S. Government.

**Product Description:** Streptococcus pyogenes (S. pyogenes), strain ABC020052203 was isolated between 2010 and 2012 from the blood of a human with bacteremia, streptococcal toxic shock syndrome or necrotizing fasciitis in the USA. S. pyogenes, strain ABC020052203 was deposited as a Group A Streptococcus (GAS) strain.

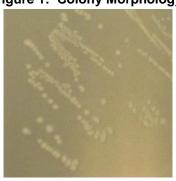
Lot<sup>1</sup>: 70001740 Manufacturing Date: 25JAN2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology <sup>2</sup>	Report results	Circular, convex, entire, smooth and cream (Figure 1)
Hemolysis <sup>3</sup>	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 (~ 780 base pairs)	≥ 99% sequence identity to S. pyogenes, strain ABC020052203 (GenBank: JJGL01000007.1)	100% sequence identity to S. pyogenes, strain ABC020052203 (GenBank: JJGL01000007.1)
Purity (post-freeze) <sup>4</sup>	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze) <sup>2</sup>	Growth	Growth

<sup>&</sup>lt;sup>1</sup>NR-48725 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% CO<sub>2</sub>. Broth inoculum was added to Tryptic Soy agar kolles, which were grown for 1 day at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> to produce this lot.

<sup>&</sup>lt;sup>4</sup>Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood.





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

Fax: 703-365-2898

<sup>&</sup>lt;sup>2</sup>1 day at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar

<sup>&</sup>lt;sup>3</sup>1 day at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood



## **Certificate of Analysis for NR-48725**

**Date:** 16 MAY 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